

# SIXTY-FIFTH VOLUME

From July 3 to December 25, 1936

## THE RAILWAY GAZETTE

A Journal of Management, Engineering and Operation

INCORPORATING  
Railway Engineer • TRANSPORT • The Railway News

LONDON:

33, TOTHILL STREET, WESTMINSTER, S.W.1

For the convenience of those who do not bind back copies, the following table shows the numbers of the pages contained in each issue of *The Railway Gazette* and its Supplements from July 3 to December 25, 1936. Diesel Railway Traction Supplements are indicated by the letters D.S., and Electric Railway Traction Supplements by the letters E.S.

	PAGE		PAGE		PAGE
JULY 3 .. .. .	1-36	SEPTEMBER 4 .. ..	357-388	NOVEMBER 6 .. ..	739-774
" 10 .. .. .	37-76	" " D.S. .. ..	389-404	" 13 .. .. .	775-822
" " D.S. .. ..	77-92	" 11 .. .. .	405-436	" " E.S. .. ..	823-830
" 17 .. .. .	93-128	" 18 .. .. .	437-468	" 20 .. .. .	831-874
" 24 .. .. .	129-164	" " E.S. .. ..	469-478	" 27 .. .. .	875-910
" " E.S. .. ..	165-172	" 25 .. .. .	479-510	" " D.S. .. ..	911-926
" 31 .. .. .	173-208	OCTOBER 2 .. ..	511-546	DECEMBER 4 .. ..	927-962
AUGUST 7 .. ..	209-240	" " D.S. .. ..	547-562	" 11 .. .. .	963-1002
" " D.S. .. ..	241-252	" 9 .. .. .	563-598	" " E.S. .. ..	1003-1010
" 14 .. .. .	253-284	" 16 .. .. .	599-638	" 18 .. .. .	1011-1050
" 21 .. .. .	285-316	" " E.S. .. ..	639-646	" 25 .. .. .	1051-1082
" " E.S. .. ..	317-324	" 23 .. .. .	647-682	" " D.S. .. ..	1083-1098
" 28 .. .. .	325-356	" 30 .. .. .	683-722		
		" " D.S. .. ..	723-738		

TO VISITORS  
AT THE  
RAILWAY  
EXHIBITION

## GENERAL INDEX

[Illustrated articles are indicated thus \*]

## A

Aberdeen, Activity at .. 600  
 Aberdeen Infirmary, Railway Ex-  
 hibition for .. 870  
 Aberdeen, London to .. 254  
 Abyssinia, Italian Royal Coach for 432  
 Abyssinia, Italo-French Transport  
 Company formed for .. 998  
 Abyssinian Railway Agreement 236, 520  
 Abyssinia, Railway Development in 11  
 Acceleration. See Speed.  
 Accidents:—  
 Air Crash on L.M.S.R. Main Line 432  
 Argentine State Railways .. 293  
 A.T.C. and Accidents in Brazil .. 876  
 Barkston Collision, L.N.E.R.,  
 January 19 .. 131, \*156  
 British Railway Accidents in 1935  
 —Coloned Mount's Report .. 96, 117  
 Chicago Elevated Railway .. 904  
 Chinese Railways .. 138, 886, 938  
 Cundinamarca Railway (Colombia) 884  
 Czechoslovak Railways .. 904  
 Doubtful Signal and a Blunder  
 .. 740, \*767  
 Egyptian State Railways .. 783  
 Electrified Lines, Deaths on .. 127  
 Facing Points Protection .. 1046  
 Fire in Southern Railway Boat  
 Train near Micheldever, Aug-  
 ust 15 .. 310, 929, 954  
 Gas Explosion in Moghalpura  
 Workshops (N.W.R., India) .. 607  
 German Road Accidents .. 354  
 Indian Railways .. 101, 747  
 Ken Viaduct Derailment of Stran-  
 raer Express, L.M.S.R., Decem-  
 ber 31, 1935 .. 2, \*28  
 Level Crossing Accident at Brid-  
 lington .. 956  
 Level Crossing Accident on Buenos  
 Ayres Great Southern Railway 413  
 Level Crossing Accidents in 1934  
 and 1935 .. 233  
 Level Crossing Accidents in U.S.A.  
 .. 122, 964  
 L.M.S.R. Bridge in Cumberland,  
 Fatality at .. 1080  
 Lourdes, Collision near .. 506  
 Momentary Lapse, A .. 564, 591  
 Pennsylvania Railroad .. 840  
 Peterson Collision, G.W.R., June  
 10 .. 564, \*591  
 Polish Corridor Accident .. 594  
 Ponferrada Collision, Northern of  
 Spain Railway, June 23 102, 183  
 Postland Mishap, L.N.E.R., July  
 27 .. 204  
 Preston, Lea Road, L.M.S.R.,  
 March 11 .. 210, 235  
 Railway Employers' Accidents .. 291  
 Railway Station Accidents .. 239  
 Road Fatal Accidents in 1935 .. 325  
 Rugby Collision, L.M.S.R., April 2  
 .. 254, \*279  
 Rule Book, Illustrating the .. 877  
 Safety, High Speeds and .. 777  
 Safety Measures on Railways,  
 Mr. George Mills on .. 741, 764  
 Safety on New South Wales Rail-  
 ways .. 122  
 Safety on U.S.A. Railways .. 929  
 Second Line of Defence .. 5  
 Steel Rolling Stock in U.S.A.  
 Accidents .. 1013, \*1033  
 Stourbridge North Junction Collis-  
 sion, G.W.R., July 17 740, \*767  
 Tottenham Collision, L.N.E.R.,  
 May 12 .. 327, 350  
 Trans-Siberian Railway Collision 161  
 Unfastened Door, An .. 481, 505  
 Wagon Derailment at Castle-  
 thorpe, L.M.S.R., August 13 .. 310  
 Want of Care .. 327, 350  
 Warsaw-Posen Express Derailed .. 69  
 Weekly Road Accidents 32, 70, 123,  
 161, 204, 237, 281, 311, 354, 385,  
 433, 464, 507, 543, 595, 635, 679, 717,  
 771, 819, 870, 904, 958, 996, 1047  
 Wellington (near), New Zealand .. 885  
 Willenden Junction (near),  
 L.M.S.R., May 29 .. 481, 505  
 Accounts:—  
 Powers-Samas Accounting Mach-  
 ines Exhibition .. 634, 676  
 Acts, Bills, etc. See Parliamentary.  
 Advertising. See Publicity.  
 Agricultural Shows, Railways and .. 967  
 Air-Conditioning:—  
 Attempts 85 Years Ago .. 833  
 Baltimore & Ohio Main Line Stock  
 All Air-Conditioned .. 102  
 Canadian Railways .. 236

## Air conditioning (contd.)—

Federated Malay States Railways,  
 New Air-Conditioned Coaches  
 .. 832, \*855  
 Hay Fever and Air-conditioning 685  
 Hotel Business in U.S.A. Affected  
 by Air-conditioned Pullmans 485  
 Is it Appreciated? .. 325  
 Japanese Railways .. 656  
 Steam Heating and Air-condition-  
 ing .. 133  
 Temiskaming & Northern Ontario  
 Railway .. 47  
 Three Years' Outlay on Air-con-  
 ditioning .. 438  
 Trans-Australian Railway Air-  
 conditioned Car .. \*375  
 Victorian Government Railways  
 Air-conditioned Vehicles in  
 Service .. 102  
 Victorian Government Railways  
 New Streamlined Air-condition-  
 ed Steam Train .. 45  
 Air Kitchens for Passenger Trains,  
 (Paper by Mr. F. C. Johansen) 932, 952  
 Air Transport:—  
 "Air Shopping" in the U.S.A. .. 433  
 American Air Line Fares Lower  
 than Express Train Fares .. 717  
 Bolivian New Service La Paz-  
 Uyuni .. 884  
 Brazilian Air Service .. 413  
 British Continental Airways  
 Limited and British Airways  
 Limited Amalgamation .. 203  
 Buenos Aires-Cordoba Service .. 783  
 Cardiff-Weston Air Ferry .. 384  
 Dublin-London Air Service .. 463  
 Empire Air Services .. 904  
 London Airport Station .. 203  
 London-Guernsey Air Service  
 Suspended .. 280  
 North Eastern Airways New  
 Service .. 716  
 Railway Air Services and their  
 Possibilities .. 94  
 Railway Air Services Seasonal  
 Withdrawals .. 466  
 Railway Air Services .. Winter  
 Programme .. 506  
 R.A.S. Mail Contract Renewed .. 958  
 R.A.S. New Sunday Services .. 32  
 Route Map for R.A.S. Passengers 311  
 South African Airways Extensions 333  
 South African Airways .. \*1067  
 South African Airways Films .. 31  
 Algerian Railways:—  
 Beyer-Garratt Locomotives in  
 Express Service .. 678  
 Alloy-Steel Fireboxes .. 308  
 Ambulance Work:—  
 437 Miles on a Parratt Stretcher .. 94  
 Great Western Railway .. 720  
 L.M.S.R. .. 32  
 Welsh Inter-Railway Competition 992  
 American (U.S.A.) Railways:—  
 Abandoned Mileage .. 1046  
 Abandonment by the Great  
 Northern of a Branch in Canada 783  
 Accelerations .. 260  
 Air-conditioning, Three Years' .. 438  
 Outlay on .. 438  
 Atchison Topeka and Santa Fe  
 New Locomotives for Pacific  
 Services .. 693  
 Atchison, Topeka and Santa Fe  
 Results .. 357  
 Baltimore & Ohio Diesel-Electric  
 Locomotive .. \*80  
 Baltimore & Ohio Freight Cars,  
 Rebuilding .. 759  
 Baltimore & Ohio Main Line  
 Stock All Air-conditioned .. 102  
 Baltimore & Ohio Terminal Facili-  
 ties in New York Provided by  
 Road .. \*499  
 Broadwalk Flyer, The .. 438, 652  
 Bridge, An Unusual Submersible,  
 on Missouri Pacific Lines .. 333  
 Bridge Impact Investigations .. 211  
 Bridge Welding on Florida East  
 Coast Railway .. \*369  
 Bus Lines Hard Hit by Rail Fare  
 Reductions .. 294  
 Cab Signals on Diesels .. 744  
 Cab Signals on the New Haven .. 1052  
 C. & D. Authorised on Eastern  
 Railways .. 885  
 Car Loadings Continue Heavy .. 840  
 Chicago-Denver Time Reduced .. 206  
 Collection and Delivery Services 608  
 Containers .. \*346  
 Co-ordinator of Transportation's  
 Post Lapses .. 45

## American (U.S.A.) Railways (contd.)—

Co-ordinator's Functions .. 45  
 Denver Zephyr's New World's  
 Record .. 928  
 Detroit Arrow (P.R.R.) Accelera-  
 tion .. 777  
 Diesel Shunting Locomotive  
 Operating Costs on the Burling-  
 ton .. \*917  
 Diesel Traction Progress .. \*1097  
 Diesel Train Costs .. 923  
 Dragging Equipment, Detecting 965  
 Economics .. 254  
 1985 Travel .. 692  
 Election and Railways .. 607  
 Electricity Put to Full Use on the  
 Pennsylvania .. 1053  
 Electrification .. 317, 333  
 Exceptional Rates Competitive  
 with Waterways Bill Postponed 10  
 Excessive Regulation Challenged 183  
 Excursions "Off the Beaten  
 Track" .. 447  
 Fans, Catering for Railroad .. 286, 293  
 Freight Rate Increase Not to be  
 Permanent .. 447  
 Freight Rate Structure Adjustment 886  
 Freight Service Innovations .. 1059  
 Freight Traffic Moderating .. 487  
 Green Diamond Depreciation .. 926  
 Green Diamond Schedule of the  
 Illinois Central .. 92  
 Green Diamond Traffic Increase .. 252  
 Grouping .. 776  
 Hell Gate Bridge .. 976  
 Hiawatha, Good Loadings on the  
 Hiawatha, The .. 512, 573, 964  
 High Speed, High Wages .. 885  
 Hotel, A Railway, on Wheels 564, \*584  
 Illinois Central Diesel Heavy  
 Short-Distance Freight Loco-  
 motives .. \*247, 252, \*401  
 Incline Railway, Mount Adams,  
 Cincinnati .. 439  
 Key West "Oversea" Railway  
 .. 359, \*369, 406  
 Lehigh Valley's Use of Redundant  
 Locomotives .. 210  
 Level Crossing Barriers, Increasing  
 Use of .. 649  
 Level Crossing Elimination 601, 1055,  
 \*1060, \*1070  
 Level Crossings in Illinois .. 439  
 Level Crossing Warnings, Indica-  
 tions for .. 758  
 Lightweight Trains Performance 366  
 Locomotive and Rolling Stock  
 Orders Increased .. 39, 1059  
 Locomotive Contracting .. 439  
 Locomotive Repair Facilities,  
 Pooling .. 481  
 Locomotive Repairs in Heavy  
 Service .. 1080  
 Locomotive Repairs, Intensive, on  
 the Baltimore & Ohio .. 649  
 Locomotives and their Power .. 1053  
 Locomotives, Condition of .. 122  
 Long Island Reduces Rates .. 293  
 Mercury Express, New York  
 Central Lines .. 131, \*150  
 "More for Your Money" .. 563  
 Motive Power Types .. 439  
 Mount Washington Cog Railway 512  
 National Trailways and New Ideas  
 in Coach Stations .. \*21  
 New Haven Steam Railcars .. 693  
 New York Central Removes  
 Trains from Streets of Syracuse  
 .. 864, 1055, \*1060, \*1070  
 New York Central Subsidiaries in  
 Canada .. 783  
 New York City Traction Unifica-  
 tion Plan .. 69  
 New York Rapid Transit Traffic  
 .. 478  
 New York Subway Tenders .. 542  
 Non-Stop Acceleration .. 1052  
 Orders for Railway Equipment  
 Increased .. 965, 997, 998  
 Passenger Travel Boom .. 487  
 Pennsylvania Electric Accelerations  
 .. 830  
 Pennsylvania Electrification and  
 Electric Locomotives .. 469, \*472  
 Pennsylvania's Experimental  
 Coaches .. 286, 294, \*301  
 Pensions Litigation, Railways Up-  
 held in .. 121

## American (U.S.A.) Railways (contd.)—

Philadelphia & Reading Machine  
 Shop Problem .. 175  
 Printing Exhibition Train .. 432  
 Progressiveness .. 11  
 Publicity Programme .. 11, 183, 487  
 Pullman Experimental Artic-  
 ulated Two-Unit Car .. 564, \*584  
 "Railroad Wonder" Excursion .. 384  
 Rails of 4,000 ft. .. 383, 818  
 Rebel Streamlined Diesel Trains  
 Costs .. 562  
 Research, More .. 1052  
 Revenues Still Increasing 294, 366,  
 487, 694, 1059  
 Rexall Streamlined Exhibition  
 Train .. 358, \*377  
 Road Competition .. 340  
 Rock Island Reorganisation Plan 122  
 Rock Island Streamlined Trains .. 693  
 Roller-Bearing Locomotives .. 370  
 Roller-Bearing Orders .. 314  
 Rolling Stock Orders .. 261, 333  
 Safety .. 928  
 Safety of All-Steel Rolling Stock  
 .. 1013, \*1033  
 Safety on Chicago Electric Sub-  
 urban Service of the Illinois  
 Central .. 478  
 San Francisco Underground Propo-  
 sal .. 69  
 Seaboard Air Line Streamlined  
 Diesel Cars .. 92  
 Short Line Railroads .. 684  
 Six-Hour Day Demand .. 886  
 "Soil Improvement" Car .. 432  
 Southern Pacific Company Re-  
 sults .. 360  
 Southern Pacific High-Speed  
 Steam Train The Daylight .. 649  
 Southern Pacific Orders High-  
 Speed Trains .. 261  
 Steel Rail Orders .. 1048  
 Surplus Accumulation Penalised 694  
 Tax Law Costly to Railways .. 447  
 Turbine Locomotives .. 685  
 Underground Proposal for Cin-  
 cinnati .. 463  
 Union Pacific Cheap Travel De-  
 luxe Train The Challenger .. 497  
 Union Pacific New Cross-Con-  
 tinent Diesel Trains .. \*88  
 Union Pacific Super-speed Diesel  
 City of Denver Trains .. 250, \*251  
 Union Pacific Turbine Locomotive 281  
 Union Railroad 0-6-0 Shunting  
 Locomotives .. \*759  
 Union Railroad 0-10-2 Shunting  
 Locomotives .. 407, \*423  
 Whistles, Popularity Test for .. 694  
 Winter Sports Bureau at Phila-  
 delphia .. 896  
 "Wonder Trips" .. 608  
 Zephyr Alterations .. 731  
 Zephyr Record Trial Run .. 885  
 Zephyrs, Denver .. 723, 926  
 Zephyr Reserve Power Tests .. 693  
 Zephyrs, New .. 562  
 Zephyrs, 1,000,000 Miles of .. 92  
 Zephyr Steam Service .. 678  
 Anglo-Argentine Dinner .. 713  
 Anglo-Argentine Trade Agreement 998  
 Anglo-Argentine Tramways:—  
 Operating Results in 1935 .. 93  
 Situation and Its Effect on the  
 Staff .. 9  
 Anti-Rolling Device for Ships .. 480, \*489, \*506  
 Antofagasta (Chili) & Bolivia Rail-  
 way:—  
 Orders Placed .. 283  
 Argentine Engineers' Association .. 655  
 Argentine Harvest Statistics 218, 293  
 Argentine North Eastern Railway  
 Moratorium .. 1046  
 Argentine Railways:—  
 Diesel Railcars in Argentina 734, 926  
 Dividends .. 593, 637, 647  
 Faster Speeds .. 972  
 Government and Railway Legis-  
 lation .. 655  
 Level Crossings, Paving of .. 45  
 Pensioners and Foreign Residence  
 Pension Fund Claim against B.A.  
 Provincial Railway .. 9  
 Pensions for Disability: Supreme  
 Court Ruling .. 972  
 Santa Fé Provincial Railway Ex-  
 tension .. 884  
 State Railway Extensions 293, 384,  
 571  
 Train Robbery on State Rail-  
 way .. 293  
 Argentine Republic, Timbers of The 655

Argentine Transport Bill, Joint Views of Railway Companies on	306, 383
Argentine Transport Co-ordination Bills and the Senate	181, 634
Arica-La Paz Railway	414
Art in Railway Carriages	740, *760, 765
Asbestos Development, An Import-ant	350
Assam Railways & Trading Co. Ltd.	870
Assessment of Railways:—	
Agreed Rating Assessments	173, 203, 811
Anglo-Scottish Railway Assessment Authority Report for 1935-36	463
Apportionment of L.M.S.R. and L.N.E.R. Net Receipts between England and Scotland	870
London Transport Rating Scheme	236
Newcastle High Level Bridge	902, 1044
Railway Assessment Authority Report for 1935-36	463
Railway Bookstalls Assessment	64
Railway Station Shops Assessment at Victoria, S.R.	64
Rating of Railways. Its Develop-ments Reviewed	262
Southampton Docks Rating	1046
Southern Railway Valuation for 1936-41	770
Associated Locomotive Equipment Limited	384
Athletics:—	
London Transport Sports Gala	203
Railways A.A. Championships	382
Railways Athletic Association	804
Auction, A Railway for	515
Austin Chambers, A Reminder of	326
Australian and New Zealand Rail-way Officers' Conference	138
Austrian Railways:—	
Electrical Overhead Equipment, Standard	640
Electric Signal Lights	833
Electrification	165, 478, 640
Federal Railways Report	176
Telephones in Vienna	698
Zugspitz Railway	584
Austria, Old, Staff Welfare in	1051
Automaticity in Hump Yard Work-ing	255
Automatic Train Control:—	
Brazilian Railway Accidents, A.T.C. and	876
<b>B</b>	
Baghdad Railway 4 per cent. Loans	634
Balji-Mosul-Tel Kotcheh Railway	904
Banana Conveyance by Railway	483
Barcelona Traction Light & Power Company Controlled by Workers	446
Beaconsfield Train and Bus Con-nections	237
Beama Annual Dinner, 1936	542
Beds in Sleeping Cars	689
Beira Alta Railway, Portugal, and its Latest (4-8-0 Type) Locomo-tives	366, *378
Beira and Mashonaland and Rhodesia Railways Report	878
Beira Railway Debenture Stock	1046
Beit Railway Trust	876
Bekonscot Model Railway, Village, and Garden	384
Belgian Congo, Developments in	840
Belgian Railways:—	
Bridge-work	3
Diesel Operation	252
Diesel Services, Multi-Stop	244
Diesel Streamlined Train	558
Fast Schedules	280
International Diesel Services with France	562
Light Railway System	1062
Light Railways Report	326
Locomotive Performance	766
Locomotives, New Passenger	520
National Railways Company Re-port	257
Ostend-Brussels-Basle Inter-national Express at Boitsfort	458
Train Services	1049
Benguella Railway	840
B.E.N. Patents and Broom & Wade	160
Berry (Henry) & Co. Ltd.	159
Birmingham Battery & Metal Co. Ltd.	222
Blackpool, The "How" of	440
Blind, Railway Concession to Friends of the	160
Bolivian Railway Returns for 1935	571
Brakes:—	
Danish Railways New Brake Equipment	937, 998
Line Occupation, Braking and	929
Lithuanian Government Order	1048
New Zealand Railcar Brakes	693
Brazil-Bolivia Railway Communica-tion	413
Brazilian Railways:—	
A.T.C. and Accidents	876
Ceara Railway Railcars	260
Central Railway Changes Arising Our of Electrification	413
Central Railway Diesel Railcars	395, 923

Brazilian Railways (contd.):—	
Central Railway Electrification	322, 413, 478, 830
Central Railway Norte Station at São Paulo	1019
Construction Projects	260, 335
Government Credits for Railways	1019
Jaguary River Ferro-Concrete Bridges	649, 656, *669
Japanese Rails Ordered	820
Mayrick-Santos Line	335
Mogiana Railway Length and Rolling Stock	260
Mogiana Railway Report and Finances	209, 335
North Eastern States, Plan for Extensions in	841
Paulista and North Western Rail-ways: Lengths and Rolling Stock	260
Paulista Railway Extension Possi-bilities	335
Rêde Mineira	335, 841
Rio Grande do Sul Railway Ex-tensions	655
Rio Grande do Sul Railways, Japanese Proposal to Supply Material for	1019
Rio Underground Railway Pro-posal	384, 478
Signalling Conference at Rio	785
Sorocabana Railway	335, 1019
Bricks in Railway Engineering	833, 868
Bridges:—	
American Bridge Impact Investi-gations	211
Belgium, Railway Bridgework in	3
Charing Cross	353
Danube New Bridge Proposal	542
Danube Railway Bridges	139
Ferro-Concrete	649, 656, *669
Florida East Coast Railway, Bridge Welding on	369
Goole Swing Bridge	203
G.W.R. Bridge Reconstruction Plans	69, 865
Hawkesbury River	788
Hell Gate Bridge	976
Howrah Bridge Contract Placed	72
Indian Railway Standard Bridges in H.T. Steel	138
Jaguary River, Brazil—Ferro-Concrete Bridges	649, 656, *669
Kalka-Simla Railway Viaduct Reconstruction	448
Kiel Canal Steel Bridges	271
Latvian Road and Rail Bridge	870
L.M.S.R. New Bridge over the Clyde	995
Maintenance of Metal Bridges	658
Manifold Valley Bridges	406, *428, 506
Meghna Bridge (Assam-Bengal Railway) Contract Placed	72
Newcastle Toll Bridges	904
San Francisco-Oakland Bay	870
Seyern Bridge Scheme Revived	716
Sheppey Road and Rail Bridge	288, *309, 353
Submersible Bridge on Missouri Pacific Lines	333
Waipara River (N.Z.) Bridge Re-newal	137
Yangtze Bridge Proposal	886
Brill Tramroad Engine of 1872	362
Bristol & Exeter Railway	42
Bristol Tramways & Carriage Co. Ltd.	160, 661, 873
British and Irish Railways Stocks and Shares Table	33, 71, 123, 161, 205, 237, 281, 311, 354, 385, 433, 464, 507, 543, 595, 635, 679, 717, 771, 819, 871, 905, 959, 996, 1047
British Association Meeting:—	
Development and Testing of Locomo-tives (Address by Mr. W. A. Stanier)	441
Food Transport (Address by Mr. T. M. Herbert)	442
High-Speed Diesel Engines (Ad-dress by Mr. H. R. Ricardo)	556
Presidential Address by Sir Josiah Stamp	405
Railway Papers at	409
British Chamber of Commerce for Spain	887
British Diesel Exports	1086
British Engineering and Transport Institutions in the Argentine Re-public, Centre of	571, 655
British Insulated Cables Limited Show Train	960
British Railways. See also under Indi-vidual Companies:—	
Anglo-Scottish Winter Train Ser-vices, 1936-37	430
A.S.L.E.F. New Claim	765, 863, 903, 951, 990, 1015, 1045
Census of Railway Staff	361, 383
Cheap Travel Developments	328
Closed Branches on Joint Rail-ways	1075
Closed Branches on Minor Rail-ways	1041
Christmas and the Railways	1065, *1072, *1074
Christmas Greeting Posters	904
Diesel Traction Boom	1084
Dividend Dates	1046

British Railways (contd.):—	
Fastest Trains in Great Britain	184, 258
Freight Traffic, 1929-35	*697
Interim Dividend Dates	31
Interim Dividends	159, 173, 207, 209, 239
Johannesburg Empire Exhibition, British Railway Models at	119, 285, *302, 309
Main Line Train Services, 1914 and 1936	358, 367
Motor Cartage Services	*493
Non-Stop Runs, The Longest	564, 590
Rating Assessments Agreed	173, 203
Returns for 1935	253, 429
Road Hauliers, The Largest	843
Road Transport, Railway Interests in	339
Situation	648
Statistics, March, 1936	49
Statistics, April, 1936	185
Statistics, May, 1936	415
Statistics, June, 1936	610
Statistics, July, 1936	842
Statistics, August, 1936	974
Stockholders' Union	770, 776, *800, 811, 927, 993
Wage Cuts Restoration Claim	27, 65
Wage Cuts Restoration Decision	212, 220, 282, 285, 305
Weekly Traffic	1, 37, 93, 129, 173, 209, 253, 285, 325, 357, 405, 437, 479, 511, 563, 599, 647, 683, 739, 775, 831, 875, 927, 963, 1011
British Standards Institution:—	
Alkaline Train-Lighting Accumu-lators Specification	113
Asbestos Cement Slates and Sheets Specification	633
Bend Test on Welded Joints, Specification for	1044
Building Works Specifications	65
Cartridge Fuses Specifications for Railway Signalling Circuits	992
Crescote for the Preservation of Timber Specification	282
Flat-Bottomed Rails, Revised Specification for	3, 29
Oxy-Acetylene Welding Specifica-tion	632
Paint Ingredients Specification	509
Pre-cast Concrete Flags Specifica-tion	122
Pre-cast Concrete Kerbs Specifica-tion	807
Protective Glasses for Industrial Operations Specification	122
Railway Mechanical Signalling Apparatus Specification	313
Turpentine and White Spirit for Paints Specification	568
Wrought Iron Crane Chains Specifi-cation	806
British Timken Dinner	675
Brookwood Cemetery Train	445
Brunels, The	42
Buenos Aires Central Railway:—	
Moratorium Extended	31
Buenos Aires New Subway	936
Buenos Aires Provincial Railway	181, 839
Buenos Aires Transport Co-ordina-tion Law	10, 181, 542, 600, 904
Buenos Ayres & Pacific Railway:—	
Labour Troubles	217
Railcar, etc. Orders	87
Report for 1935-36	686
Running Shed Work System	175, 258
Buenos Ayres Great Southern Rail-way:—	
Diesel-Electric Locomotives Ordered	206, 252
Diesel Railcars Ordered	386, 562, 731, 960, 997
Door-to-Door Traffic Proposal	1032
Exchange Loss, Meeting	684
Jubilee of Mar del Plata Line	783
Milk Tank Wagons Ordered	238
Orders Placed	206, 238, 636, 680, 721, 820, 908, 997
Refund of Excess Freight: Legal Decision in Favour of Company	9
Report for 1935-36	650
Telegraphs Appeal	181
Water-softening Plants	206
Buenos Ayres Midland Railway:—	
Diesel Railcars Ordered	238, 404, 731
Buenos Ayres Western Railway:—	
Orders Placed	206, 238, 636, 908, 960, 997
Provincial Government Railway Competition	740
Report for 1935-36	687
"Buffer Car," The	136, 258
Buffer Stops, Rubber-Faced	540
Buffer Car Facilities	38
Bulgarian Railways:—	
New Construction	183
Burma Railways Committee	9
Burt, Sir Henry	79
Butterfly Co., Ltd.	987
<b>C</b>	
Cammell Laird New Capital	818
Camping Coaches for the Coronation	648, 684, 770

Canadian Mining Railway Exten-sions Sanctioned in Quebec	32, *694
Canadian National Railways:—	
Air-conditioning	236
Chairman's Message	747
Earnings	72, 236, 384, 594, 770, 958
Floods in British Columbia	995
Locomotives, New Streamlined	4-8-4 182, 261, *274
Mikado 2-8-2 Freight Locomotive	386
New Board of Directors	*459, 488, 533, *762
Northern Quebec New Mineral Line	32, *694
Problem	427
Thornton Memorial Plaques	*427
Canadian New Department of Trans-port	832
Canadian Pacific Railway:—	
Air-conditioning	236
Alberta Lines	747
Earnings	72, 236, 384, 594, 770, 958
Jubilee Birthday Cake	*100
Light-Weight Semi-Streamlined Trains	*229, *700, 701, 972
London Office New Address	163
Pension Staff Change	747
Quebec Mining Area Railway (Angliers-Senneterre) Sanc-tioned	32
Smokers for Women Only	542
Sperry Rail Detector	*422
Streamlined 4-4-4 "Jubilee"	55, *229, 504, *700
Transcontinental Jubilee	1, 35, *55, 70
Canadian Railway Fare Revision	10
Canadian Railways, Mr. C. E. R. Sherrington on	747
Canadian Railway Wages	600, 1079
Canadian Tourist Traffic	1080
Canals:—	
Kiel Canal Steel Bridges	*271
Manchester Ship Canal Earnings	155
Centenary of Arts and Triumphs	117
Centenary of London Bridge Station	966, *984
Centenary of the First Canadian Railway	129, *155
Centenary of the Morse Telegraph	1054, *1058
Central Argentine Railway:—	
British Oil Engines for Diesel Traction	*914
Electrification Anniversary	477
One-Class Train Service	212
Orders Placed	126, 206, 238, 283, 544, 680, 721, 872, 908, 997
Report for 1935-36	743
Second-hand Rails and Fish-plates Sold to Brazil	655
Tank Wagons Ordered	908
Ten-Year Notes	69
Central European Railway Associa-tion	462, 937
Central Railway of Chubut	818
Central Uruguay Railway:—	
Inspection Railcars Ordered	1048
Moratorium Extended	204
Results in 1935-36	739
Ceramic Society, The	833, 988
Ceylon Government Railway:—	
Commission Appointed	459, 463
Diesel Traction	81, 87
Champlain & St. Lawrence Railroad Centenary	129, *155, 261, *274
Channel Crossing, The	*604
Channel Tunnel	27, 995
Cheap Travel Developments	328
Chesham Branch (Met. & G.C.)	516
Cheshire Lines Committee:—	
Manchester Central Station, New Cooking Equipment for	280
Child in the Train, The	929
Chilean Railways:—	
Chilean Northern Railway	463
Earthquake and Storm Damage	413
Increase of Tariffs and Wages on State Railways	884
State Railways Report for 1935	571
Tarapaca Mining Railway Pro-posal	10
Viña del Mar New Station	10
Chinese Government Purchasing Commission:—	
Orders Placed	72, 162, 314, 355, 386, 435, 544, 680, 772, 820, 908, 960, 1048
Chinese Railways:—	
Canton-Hankow Railway	334, 384, 488, 609, 656, 785, 841
Checking-Kiangsi Railway Ex-tension	183, 366, 841
Chekkiang-Kiangsi Railway Orders for Material	1048
Chengtu-Chungking Railway	366, 695
Chuchow-Hsianghsiang Railway	366
Flood Damage	488
Hwaian Railway	886
Hunan-Kweichow Railway Con-struction	539, 886
Hwaian Railway Opened	47
Kiaochow-Tsinan Railway	973
London-Canton First Passenger by Rail	656
Lung-Hai Eastern Terminal Ar-rangements	335
Lung Hai Extension to Chengtu	938
Lung-Hai Extension to Meihsein	488



## Chinese Railways (contd.)—

Lung-Hai Improvements	47, 334, 886
Lung-Hai New Locomotives and Rolling Stock	47, 334
Nanchang New Bridge	488
Nanking-Kanchow Railway Purchase of British Material	960
Nanking-Shanghai Railway	334, 785
Peiping-Hankow Locomotive and Rolling Stock Orders	47
New Railways	139, 656
Peiping-Liaoning (Peking-Mukden) Railway	139, 841
Peiping-Mukden Railway	973
Peiping-Shanghai Accelerated Services	366
Rail and River New Express Service	785
Railway Local Development Committee	785
Shanghai-Hangchow-Ningpo Railway	47, 785
Shanghai, Rebuilt Administration Offices and Station Buildings at	149
Sinyang-Hofei-Wuyi New Railway	695
Soochow-Kashang Chord Line	183, 334
South Manchuria Railway and Proposed Tsangchow-Shihchiachwang Chord Line	47
Station Names Changed	138
Steam Heating	1020
Weishui-Tsinghsing Line	785
Yangtze Bridge Proposal	886
Year's Development	1078
Yellow River Bridge at Chilitien Proposed	139
Yunnan Railway	1072
Christmas, The Railways and 1065	1074
Chosen State Railways	818
Civil Engineers, Institution of—	
Buenos Aires Association	181, 293, 413, 655
Carriage and Wagon Construction, Some Developments in	327
Cleanliness, The Value of	286
Closed Branch Lines—	
Great Southern Railways (Ireland)	349
Great Western Railway	768
Irish Railways other than Great Southern	1041
Joint Railways in Great Britain	1075
London & North Eastern Railway	592
London Midland & Scottish Railway	387, 989
Minor Railways in Great Britain	1041
Southern Railway	431
Coastal Shipping in Relation to Transport Planning	631
Colonial Empire Exhibition	637, 684
Colvilles Limited	160
Comfort, The Importance of	286, 294, 301
Common User of Wagons	686
Concrete Mixing Plant for San Paulo (Brazilian) Railway	860
Congo-Ocean Railway	1051
Congo Railway Company	204
Congo Railways in 1935	123
Containers—	
American Railways	346
International Container Bureau	1026
Contracts and Tenders	34, 72, 126, 162, 206, 238, 283, 314, 355, 386, 435, 467, 509, 544, 596, 636, 680, 721, 772, 820, 872, 908, 960, 997, 1048, 1079
Convalescent Homes, Railway—	
Family Dinner	711, 807
Cordoba Central Railway—	
Moratorium Extension	31
Orders Placed	820, 872
Purchase Question	282
Results in 1935-36	740, 818
Coronation Arrangements by Railways	236, 648, 684, 770
Corrosion of Painted Structures	50
Cox, Edwin Charles	563
Cranes—	
Bombay Port Trust Order	680
Howrah Bridge Erection Cranes	772
Southern Railway, Travelling Breakdown Cranes for	772
War Office Order	872
Critics, Are Ours Justified?	410
Crozier Railway for Auction	515
Crown Agents for the Colonies—	
Orders Placed	72, 206, 314, 372, 467, 636, 721, 820, 872, 1048
Crystal Palace, The	927, 971
Cumberland, An Appeal from	836
Czechoslovak Railways—	
Diesel Railcar Service	252
New Railway Opened	447
Six Months' Traffic	678
Streamlined Railcars	103
Czechoslovak-Soviet Railway Communications	183

## D

Dahomey, Diesel Railcars in	562
Dalby, Professor W. E.	1
Danish Railways—	
Brake Equipment	937, 998

## Danish Railways (contd.)—

Diesel Mileage	926
Diesel Stock	926
Diesel Streamlined Trains	926
Locomotive and Rolling Stock Programme	937
State Railways Results in 1935-36	38
Danube, Railway Bridges over the	139
Davies & Metcalfe Limited	159
"Defence de Cracher"	570
de Glehn, Alfred	3
Design on the Railways	4, 98, 130
Diesel Engine Users Association	31, 92, 560
Diesel Traction—	
Africa, Asia and Australasia, Railcar Invasion of Branch and Suburban Lines in	1095
Alsace-Lorraine Cars	926
American Diesel Locomotive Factory	92
American Diesel Orders	83, 92, 926
American Train Costs	923
Application of Diesel Engines to Rail Traction	919
Ardelt Transmission for German Cars	926
Argentina and Diesel Railcars	734, 926
Baltimore & Ohio Main Line Diesel-Electric Locomotive	80
Belgian Multi-Stop Diesel Services	244
Belgian Diesel Operation	252
Belgian Streamlined Train	558
Brazilian Central Railway Railcars	923, 923
British Boom in Diesel Traction	1084
British Exports	1086
British Isles, Diesel Traction in the	547, 548, 555
Büchi Supercharging	252, 404
Budapest-Vienna Service	923
Buenos Ayres Great Southern Diesel-Electric Locomotive Orders	206, 252
Buenos Ayres Great Southern Railcar Orders	386, 562, 731, 960, 997
Buenos Ayres Midland Railcar Orders	238, 404, 731
Cab Signals on American Diesels	744
Central Argentine Railway, British Oil Engines for	914
Ceylon Government Railway and Diesel Traction	81, 87
Coriscan Railcars	926
Cotal Transmission in France	738
Czechoslovak Railcar Service	252
Dahomey, Railcars in	562
Danish Diesel Mileage	926
Danish Diesel Stock	92
Danish Streamlined Trains	92
Denver Zephyrs	926
Diesel Railway Traction Supplements	*77, *241, *389, *547, *723, *911, *1083
Diesel Train Speeds in Europe	396
Drewry Order	738
Engine Construction Progress	1090
European Development	1092
Europe, The Streamlined Diesel Train in	396
Flying Yankee, The	83
France, More High-Speed Trains in	390
French State Railways Renault Car Performance	560
French Local Railcars	252
French Railcar Services	328, 353
French State Railways New Railcars	92
French State Railways 1,000 b.h.p. Streamlined Trains	*81, 252
French State Railways Railcar Services	92
French State Railways Shunting Tractors	926
Fuel Combustion in High-Speed Oil Engines	926
German Local Traffic Railcars	393, 561
German New Streamlined Trains	92, 395
German Sightseeing Railcar	353, 401, 428, 734
German State Railway Supercharged Railcars	*246, 559
German Three-Car Trains	92
Gleniffer Oil Engine for Shunting Locomotive	*91, 562
Great Northern Railway (Ireland) Repeat Order	766, 772
Green Diamond (Illinois Central) Depreciation	926
Green Diamond Schedule of The Illinois Central	92
G.W.R. Diesel Car Excursion	404
G.W.R. Diesel Railcar Services	*548
G.W.R. Diesel Railcars in Winter Service	384, 395
G.W.R. New Diesel-Electric Shunter	*87
High-Speed Oil Engine, Development of the (address by Mr. H. R. Ricardo)	556
High-Speed Oil Engines	77

## Diesel Traction (contd.)—

High Spots of 1936	1083
Hunslet Diesels	403, 562
Illinois Central Heavy Short-Distance Freight Locomotives	*247, 252, *401
Indo-China, Railcars for	77, *83, 463, 562
International Diesel Services, Paris-Belgium	562
Italian Diesels, Rapid Advance in	1094
Italian Express Buffet Cars	*732
Italian Triple-Car Super-Speed Trains	*912
Italy, More Diesel Cars for	92
Japanese Diesel Trains and Cars	252, 562
Japanese Local Freight Diesel Locomotives	*922
Jugoslav Railcar Extension	404
Light Railcar Body	250
Light Railcar for Est Branch Lines	*913
L.M.S.R. (Northern Counties) Double-engined Railcar	*248
L.M.S.R. (Northern Counties) Shunting and Branch Traffic Locomotive	72, 252, *916
L.M.S.R. Three-Car Articulated Train	92
L.N.E.R. Diesels, Some Run on the	555
London Transport Diesel Cars for Lubricating Oil Problems	72, 92
Madrid, Zaragoza & Alicante, Further Diesel Advance on the	*84
Madrid, Zaragoza & Alicante Locomotives for Marshalling Service	*557
Main Line Diesel Locomotives	241
Main-Line Single Unit Cars	723
Malmo-Västads Railway, Railcar for	252
Metal Aircraft Construction Applied to Diesel Train in Germany	*78
Minerva Gearboxes	404
Mylius Drives	250
Netherlands Diesel Train Kitchens	562
Netherlands Diesel Trains	*735, 926
Netherlands Railways Additional Railcars	872, *915
New Zealand Railcar for Night Travel	*404
Norway, Fast Railcar for	249
Olive Oil for Lubrication	562
Opposed-Piston Railcar Engine	389, *394
Paxman Engines	395
Peoria & Pekin Union Railroad Shunter	395
Peruvian Corporation Railcar Order	766
P.L.M. Big Single-Unit Railcars	252
P.L.M. Diesel Mileage	562, 926
P.L.M. Fast Renaut Service	252
P.L.M. High-Power Single-Unit Cars for Mountain Service	*736
P.L.M. Railcar School at Dijon-Ville	562
P.L.M. Railcars in Service and Building	926
P.L.M. Shunting Locomotives	467, 562
Prices of Diesel Trains	395
Prize Offered for Best Diesel Invention	90
Queensland Diesels	926
Rebel Streamlined Trains Costs	562
Renaut New Double-Bogie Railcar	*724
Renaut Oil Engines	92
Rhodesia Railways First Diesel Railcar	*738
Roumanian Diesels	555
Saar, Railcar Operation in the	389, 402, 561
San Paulo (Brazilian) Railway Diesel-Electric Supercharged Streamline Trains	283, 404
San Paulo (Brazilian) Railway, Diesel Units for	126
Seaboard Air Line Streamlined Cars	92
Security—and Sleep	911
Shunting Locomotive Operating Costs on the Burlington	*917
Siamese Diesel Stock	252
Silver Jubilee and the Diesel	723
S.L.M. Transmission	92
South African Diesels	926
South America Consolidates Diesel Situation	*1088
Southern Railway Shunting Locomotives	126
South Indian Diesels	731
Spanish Railcar Performance	249, 404
Streamliner, The Diesel	77
Supercharging in Rail Traction	241, *246
Sweden, Small Diesel for	92
Swiss Federal Railways Diesel Runs	926
Swiss Railcar Service on Lyss-Lausanne Section	92

## Diesel Traction (contd.)—

Transmission Gearing for L.M.S.R. Diesel Locomotive	*403
Transmission, Mechanical, Remote Control for	*730
Transmissions for Diesel Locomotives and Railcars	*82, *553
Transmissions Show Signs of Standardisation	*1087
Tunisian Railways, Railcars for	*400
Turkey, Diesel Railcars for	*249
Union Pacific City of Denver Trains	250, *251
Union Pacific New Cross-Continent Diesel Trains	*88
Union Pacific 3,600 b.h.p. Locomotive	395
U.S.A. Diesel Traction Progress in	*1097
Ventilation of Railcars	911
Vulcan New Diesel Locomotive for Mixed Service	241, *242
Zephyr Alterations	731
Zephyrs, New	562, 723
Zephyrs, 1,000,000 Miles of	92
Zephyr Train Speeds	395
Dirksen, Ernst: A Forgotten Railway Pioneer	351
Dividends. See Stockholders and Railway and other Reports.	
Docks, Harbours, &c.—	
Cochin Harbour Development	333
Corrientes Port Improvement	293
Dairen New Dry Dock	841
Dock Wall Maintenance and Heavy Motor Vehicles	876
Dover Train Ferry Dock, Southern Railway	*525
G.W.R. Dock Improvements	870
Hull Dock Improvements	353
Hulutao Harbour, Manchukuo	841
Immingham Dock	236
Jarrow New Coal Shipping Staith	*198, 202
L.N.E.R. Fish Dock Extensions at Grimsby and Hull	61
Penarth Dock	27
Plymouth Docks, New Facilities for Ocean Passengers at	*426
Port of London Authority Report	405
Rashin Port (Manchukuo)	183, 973, *983
Southampton Docks New Sheds	355
Dorada Railway—	
Beyer-Garratt Locomotives Ordered	960
Double-Deck Railcar Carriages	178, 214, 288, 307, *881
Dover, The Gateway of Great Britain	651
Dover Tramway, Signalling on the	889
Dragging Equipment, Detecting	965
Dutch Railways. See Netherlands Railways.	

## E

East Africa, Railway Construction in	956
Eastern Coach Works Limited	110
East Prussia and the Polish Corridor	603, *608
Egyptian Delta Light Railways—	
Results for 1935-36	94
Egyptian State Railways—	
Cheap Fares for Interment of Saad Zaghloul Pasha	139
De Luxe Coaches on Rapides	139
Earnings, 1935-36	486
Flood Damage	783
Fuka to Mersa Matruh Extension	144
Locomotives, 2-4-2 Tank	*627
Mechanical Accounting	486
Orders Placed	596, 721, 772, 872, 997, 1048, 1079
Rail and Hotel Excursions	218
Railcars Ordered	636
Subway Construction Proposals	486
Train Control for Lower Egypt	783
Treaty, The, and the Railways	486, 783
Whittaker Automatic Staff Exchanging Apparatus	218
Electrical Engineers, Institution of—	
Buenos Aires Branch	413
Conversazione	69
Steel-Tank Rectifier Traction Substations (Paper by Mr. A. L. Lunn)	317, 324
Electrical Engineers Visit Rugby	32
Electrical Industries Ball	542
Electric Railway Traction Supplements	*165, *317, *469, *639, *823, *1003
Electric Tail Lamps, Portable	330
Electric Telegraph, Ronald's	121
Electrification—	
Arnhem-Utrecht	478
Austrian Railways	165, 478, *640
B.B. & C.I.R. Electrification Progress	9, 477
Brazilian Central Railway	322, 413, 478, 830
British-Built Electric Shunting Locomotive	827
Budapest-Hegyeshalom Line, Kando Phase-Converter System on	318
Cato Ridge—Durban	478, 1046

Electrification (contd.)—

Central Argentine Anniversary ..	477
Conductor Rail Alterations on the Mersey Railway ..	469, 476
Europe, Electrification Activity in ..	639
French State Railways Electrified ..	166
German Electrified Mileage ..	830
G.W.R. and L.P.T.B. New Joint Electric Line ..	826, 827
Hague-Gouda-Utrecht ..	646
Höllental Railway ..	165
Italian Railways ..	432, 478, 646, 827, 830
Italian Three-Phase Locomotive Mileage ..	830
Japanese Four-Car Streamlined Trains ..	171, 447
Latvian Railways ..	236
Live Electric Rails ..	811
London Underground Faster Trains ..	1004
Malmö-Gothenburg ..	478
Manchester-Altrincham (Paper by Mr. F. W. Wheddon) ..	535
Manchester-Sheffield, L.N.E.R. ..	770, 824
Multiple-Unit Express Trains ..	823
Narbonne-Port Bou ..	478
Netherlands Railways Motor Coaches Order ..	872
New York Rapid Transit Traffic ..	478
New Zealand Electric Rolling Stock Orders ..	34
Norway, Electrical Trains for ..	478
Norwegian Railways ..	646
Paris-Le Mans ..	171
Paris Metro Extensions ..	478
Paris Metro Cars ..	478
Pennsylvania Accelerations ..	830
Pennsylvania Electrification and Electric Locomotives ..	469, 472
Pennsylvania, Electricity put to Full Use on the ..	1053
Polish Railways ..	1047
P.O.-Midi Electric Traffic ..	827
Portsmouth Line ..	171, 830
Railway Electrification Paper ..	478
Railway Power Supply ..	639
Rectifier Equipment for London Passenger Transport Board ..	317, 324
Resistance Grids ..	478
Rio Subway Proposal ..	384, 478
Rolling Stock, New Electric ..	478
Safety by Electricity ..	478
South Africa, Electrification in ..	1003
South African Fast Motor Coaches ..	101, 171
Southern Railway Electrification Progress (Mr. E. C. Cox on) ..	823, 828
Southern Railway New Electric Services ..	958, 1046
South Lancashire ..	233
Standard Overhead Equipment, Austrian Federal Railways ..	640
Suburban Electrification ..	639
Swedish Electrification Figures ..	646
Swiss Electric Railcar Services ..	165
Swiss Railways ..	171, 646
Switching Cabins near Melbourne ..	323
Tours-Bordeaux ..	171
Tours-Nantes-St. Nazaire Electrification Asked for ..	830
Tyneside Electric Services ..	280
U.S.A. Electrification ..	317, 333
U.S.S.R. Railways ..	646
Virginia Water-Reading via Ascot ..	678, 716, 830, 1046
Vittoria-Salinas ..	171
Vitznau-Rigi Rack Railway Conversion ..	646
Warsaw Suburban Lines ..	477
Welded Rail Bonds ..	469
Wirral Railway ..	310, 772
Empire Exhibition at Johannesburg ..	102, 119, 285, 302, 309, 462, 503, 529, 542
Employees. See Labour and Staff.	
Engineer and Railway Staff Corps Annual Dinner ..	160
Engineering and Exporting ..	831, 933
Engineering Tradesmen: New Recruitment Scheme ..	994
Enquiry Office Standardised Design, Prizes for ..	280, 831, 864
Entre Rios Railways:—	
Hasenkamp-Crespo Branch Extension Lawsuit ..	936
Interest Moratorium Extended ..	31
Orders Placed ..	721, 997
Report for 1935-36 ..	778
Eritrean Telfer Line ..	121, 694
Escalator, The First ..	358
European-Asiatic Railway Conference on Freight Traffic ..	463, 594, 677
European Timetable Conference ..	69, 594, 670, 677
Evening Excursions in Scotland ..	967
Exhibitions at Railway Stations ..	684
Exide Convention ..	22
Exide Luncheon ..	678
Expansion or Restriction? ..	599
Export, Institute of ..	831
Exports of Railway Material ..	126, 307, 805, 773, 961, 1049

F

Factory Sites ..	442
Fans, Catering for Railroad ..	964
Fares. See also Tickets:—	
American Air Lines ..	717
American Railways ..	46, 286, 293, 405
Canadian Railways ..	10
Continent, Cheaper Fares to the ..	542, 634
Grooms, Cheaper Fares for ..	634
Paris International Exhibition, Half-Fares to ..	873
Profitable Lower Standard Fares ..	405
Faspos Fireproofing ..	821
Federated Malay States Railways. See Malay States Railways.	
Feeding London's Millions ..	122
Feeding the Multitude ..	928
Fibre Stresses and Axle Fatigue ..	287
Film Company Buys Locomotives ..	508
Finance, Some Aspects of Railway (Address by Mr W. V. Wood) ..	566, 588
Finishing Railway Vehicles, Modern Methods of ..	941, 977
Firth (Thomas) & John Brown Limited ..	813
Flow of Peoples, The ..	711
Food, The Transport of ..	442
Foreign Visitors to Great Britain ..	375
Forthcoming Events ..	35, 66, 381, 435, 467, 508, 544, 596, 636, 681, 720, 766, 804, 871, 909, 958, 1001, 1049, 1075
Forthcoming Meetings ..	66, 163, 596, 636, 689, 769, 821, 873, 957, 994, 1043
Freight Transport, High Speed ..	566
French Railways:—	
Alsace-Lorraine Diesels ..	926
Alsace-Lorraine Railways Report ..	482
Automatic Interlocking on the Etat ..	338
Bois Colombes Reconstructed Station ..	584
Bugatti Railcar Trains on the Etat ..	407, 420
Cab Signalling Developments ..	481, 777
Calvados Light Railway Super-seded by Road Transport ..	15
Co-ordinators Study London Transport System ..	572
Diesel High-Speed Trains Increased ..	390
Diesel International Services with Belgium ..	562
Diesel Light Railcar for Est Branch Lines ..	913
Diesel 1,000 b.h.p. Streamlined Trains for the Etat ..	81, 252
Diesel Railcars for Local Lines ..	252
Diesel Shunting Tractors for the Etat ..	926
Electrification Narbonne-Port Bou ..	478
Electrification, Paris-Le Mans ..	646
Electrification, Tours-Bordeaux ..	171
Emergency Run Paris-Lille ..	689
Est High-Speed Long Distance Railcars ..	174
Est Report ..	289
Est Trials of P.O.-Midi 4-8-0 ..	904
Etat Diesel Railcar Services ..	92
Etat Electrified Suburban Lines ..	166
Etat New Diesel Railcars ..	92
Etat Renault Car Performance ..	560
Express Consignments up to 1,100 lb. ..	520
Financing ..	937
Grande Vitesse for the Paris Suburbs ..	494
Higher Speed Limit ..	463
Improving Traffic ..	46, 261, 748, 937
Indicateur Chaux, The Transformed ..	2, 7
International Through Services ..	305
Level Crossing Elimination ..	365
Level Crossing Rules Made Stricter ..	365
Locomotive Performance on the Nord ..	48
Luminous Guide to Metro System ..	748
Metro Air-Raid Shelters ..	747
Metro Cars ..	478
Metro Extension Plans ..	784
Metro Lines, Goods Trains on ..	366
Metro New Stations Opened ..	887
Metro, The Father of the ..	211
Michelin Developments ..	41, 44, 52
Midi Report ..	432
Mont Revard Railway ..	432
Nord New Diesel Service ..	353
Nord Report ..	132
Nord Special Wireless Train ..	334
Paris to Nice and Back for fr. 175 ..	261
P.L.M. Big Single-Unit Diesel Railcars ..	252
P.L.M. Cab Signal Improvements ..	777
P.L.M. Diesel-electric Shunting Locomotives ..	467, 562
P.L.M. Diesel High-Power Single-Unit Cars for Mountain Service ..	736
P.L.M. Diesel Mileage ..	562, 926
P.L.M. Diesel Railcar School at Dijon-Ville ..	562
P.L.M. Diesel Railcars in Service or Building ..	926
P.L.M. Fast Renault Diesel Service ..	252

French Railways (contd.)—

P.L.M. New Bugatti Service ..	999
P.O.-Midi Electric Traffic ..	827
Posters ..	431
Publicity ..	65
Railcar Run on Wood Gas ..	432
Railcar Services Increased ..	328, 353
Renault New Double-Bogie Railcar ..	724
Road Subsidiaries, Their Cost to the Railways ..	20
Rolling Stock Orders ..	509
St. Malo New Maritime Station ..	463
Social Activities on ..	1077
Speeding Up Goods and Parcels ..	520
"Stop and Proceed" ..	5
Suburban Metro Extensions ..	103, 171
Tourist Agencies Conference ..	937
Tours-Nantes-St. Nazaire Electrification Asked for ..	830
Workers' Special Tickets ..	261
Fuel and Transport ..	632, 662
Fuel, Institute of:—	
Efficiency of Locomotive Furnaces ..	1042
Presidential Address by Sir Philip Dawson ..	632, 662
Furka-Oberalp Railway ..	30

G

Gateshead New Trading Estate ..	283
Gauges:—	
5 ft. Gauge, Why Russia Adopted the ..	933
Manchukuo, Gauge Conversion in Southern Africa Transport Conference and Railway Gauge ..	210
Unusual Mixed Gauge in Scandinavia ..	1016
West Clare Railway Gauge Conversion Proposal ..	70
Geography Lessons by Train ..	965
German Inter-urban Tramway Dining Car ..	860
German Railways:—	
Base Station Re-naming ..	432
Berlin New Underground Railway ..	204
Berlin Tunnel Trial ..	770
Black Forest Express to be Instituted ..	1080
Debt to Poland ..	506
Diesel Local Traffic Railcars ..	993, 561
Diesel New Streamlined Trains ..	92
Diesel Sightseeing Railcar ..	353, 401, 428, 734
Diesel Supercharged Railcars ..	246, 559
Diesel Three-Car Trains ..	92
Diesel Train of Metal Aircraft Construction ..	78
Door-to-Door Goods Wagons on Barmer Bergbahn ..	702
Express Fruit Services ..	177
FD Trains Popularity ..	965
Higher Speed ..	1012
Hollental Railway and Electrification ..	165
Königsberg Station, East Prussia Locomotive (4-6-2) Exhibited at Berlin ..	300
Locomotives, Eight-Coupled ..	432
Lubeck-Buchen Railway Results ..	515
Nuremberg Special Traffic ..	720
Olympic Games Record Traffic ..	504
Prussian-Hessian Pre-War Waybill used in September, 1936, for International Traffic ..	518
Refrigerated Fish Transport ..	904
Reichsbahn Road Services Replace Kreuznacher Kleinbahnen ..	1026
Roller-Bearing Axleboxes for New High-Speed Locomotive ..	310
Rolling Stock, New ..	965
Rügendamm Railway Opened ..	594
Saar, Railcar Operation in the ..	389, 402, 561
Signalling on the Berlin "Nord-Süd" ..	541
"Speditours" ..	290
Technical Work Redistribution ..	488
Ten-Coupled Tank Locomotives ..	432
Turbine Locomotive Practice ..	407, 416, 986
Weed Killing ..	513, 530
Glasgow Railway Engineering Co. Ltd. ..	678
Glasgow Railway Lecture and Debating Society ..	678
Gold Coast Railway:—	
Locomotive (4-8-2) ..	942, 944
Report for 1935-36 ..	775
Gooch, Sir Daniel, Memorial Plaque ..	151, 427, 443
Good Will and Efficiency ..	963
Grand Trunk Junior Stocks ..	310
Grand Trunk Senior Stocks Company ..	310
Great Western of Brazil Railway:—	
Orders Placed ..	34, 820
Great Western Railway:—	
Ambulance Work ..	720
Bridge Reconstruction Plans ..	69, 865
Bristolian in Bad Weather ..	1016
Camp Coaches for the Coronation ..	770

Great Western Railway (contd.)—

Channel Islands Steamships being Reconditioned ..	870
Christmas at Paddington ..	1074
"Claims Prevention" Posters ..	136, 180, 216, 259, 292, 332, 364, 412, 445, 485, 518, 570
Closed Branch Lines ..	768
Cwmystyfon Station ..	430
Debate on Goods Transport ..	404
Diesel Car Excursion ..	983
Diesel-electric Shunting Locomotive ..	87
Diesel Railcar Services ..	548
Diesel Railcars in Winter Service ..	384, 395
Dock Improvements ..	85
Dredging Fleet ..	61
Emergency Run, A Notable ..	481, 504
Excursion Posters of 1867 ..	352, 353
Exhibition of Arts and Crafts: Presentation of Awards ..	986
Express Vacuum and Accelerated "E" Freight Trains ..	418
Flooded Station at Mountain Ash ..	1074
Government-Guaranteed Loan, New Works ..	818
Hails, New, at Dilton Marsh and Elson ..	1080
Hatton-Bearley Doubling and Improvements ..	965
"Helping Hand" Fund ..	710
King Edward VIII Gives Dinner in G.W.R. Train ..	870
King Edward VIII Leaving Sleeping Car of South Wales Special ..	950
Leamington Spa Station Alterations ..	540
Lecture and Debating Society (London) ..	711, 765, 865, 955, 993
Locomotives, New Light 4-4-0 Passenger, "Class 31, 39, 460" ..	490, 491
Locomotives, New Mixed Traffic 4-6-0, Grange Class ..	490, 491
Machining a Locomotive Valve Gear ..	265, 296
New Halt at Whitlock's End ..	31
New Works Begun under Government-Guaranteed Loan Programme ..	869
Orders Placed ..	34, 238, 386, 772, 820, 997, 998
Penarth Dock ..	27
Plymouth Docks, New Facilities for Ocean Passengers at ..	426
Posters ..	154
"Railway Time" on the G.W.R. ..	173
Record Run Reading-Paddington ..	508
Renewals Programme for 1937 ..	869, 872
South Wales-London Coal Train ..	532
South Wales, The G.W.R. and ..	4
Summer Timetables ..	32
Swansea East Dock-Neath River-side Passenger Service Withdrawn ..	463
Taunton-Minehead Branch Improvements ..	69
Water Trough Filling ..	432
Westbourne Park New Goods Depot ..	1046
Winter Work ..	979

H

Heat Control in Railway Carriages ..	929
Heating of Railway Carriages ..	975, 996
Holidays, Railway ..	682
Holiday Resort Publicity, Railways and ..	511
Hotel, A Railway, on Wheels ..	564, 584
Hump Yard Working, Automaticity in ..	255
Hungarian Railways:—	
Arc-Welded Rail Joints ..	95, 105
Budget ..	31
Ganz Railcar Cartoon ..	292
Kando Phase-Converter System on the Budapest-Austrian Frontier Electrified Line ..	318
Results in 1934-35 ..	358
"Tramway Burden," The ..	565

I

Ice and Snow, Reducing the Effects of ..	928, 945
Ilfracombe, London to ..	42
Illuminating Engineering Society ..	648, 676
Indian Railways:—	
B.B. & C.I.R. Electrification Progress ..	9, 477
B.B. & C.I.R. New Type of Coach ..	936
B.B. & C.I.R. Results in 1935-36 ..	94
Bengal & North Western Railway Locomotive Orders ..	238
Bengal-Nagpur Report ..	834
Calcutta Intensive Suburban Service on the E.B.R. ..	120
Chief Commissioner's Tour ..	218
Conference Association ..	973, 1019
Co-ordination in the United Provinces ..	854

## Indian Railways (contd.)—

Criticism of Wedgwood Committee	1059
Personnel Answered	885
Cyclone Havoc in South India	885
De Glehn Compounds on the Bengal-Nagpur	563
De Glehn Compounds on State Lines	565
Depreciation and Overcapitalisation	519
Double-deck B.B. & C.I. Carriage of 1964	*881
Earnings	137
East Indian Railway Dinner	26
East Indian Railway Results	9
Export Coal, Freight Rebate on	607
Faster and Improved Services	973
Advocated	182, 607, 647, 652, 671, 761, 776, 839, 884, 1059
Financial Commissioner on Depreciation and the "Dangerously Low" Reserve	519
Flood Damage	101, 218, 333, 414, 572, 747
Freight Re-classification Proposed	101, 572
Jamnagar & Darkwa Railway Results	333
Junagadh State Railway 4-6-0 Locomotives	942, *943
Kalka-Simla Railway Viaduct Reconstruction	*448
Kollengode-Trichur Railway Scheme Revival	9, 519
Light Train Service over Willingdon Bridge	486
Low-rated Traffic Burden	101
Madras & Southern Mahratta Railway Acquisition Question	486
Madras & Southern Mahratta Railway Report	966
Meghna Bridge Contract Placed	72
Nizam's Government and Road Transport Regulation	854
Nizam's State Railway Road Services	182, 854
Operating Ratio Remarkably Low	182
Operating Results	218
Orders Placed	72, 126, 162, 206, 238, 283, 355, 386, 435, 467, 509, 544, 586, 636, 680, 721, 772, 820, 872, 908, 960, 998, 1048, 1079
Problems Discussed	446, 486, 884
Puja Bazaar Special, E.B.R.	519
Quota System	486
Rail-Ship Competition	365
Railway Act Amendment Bill	519
Rates Increase Opposed by Commercial Interests	333
Rates Information Bureau	182, 936
Reforms, Indian Railways and the	776
Road Competition, Railway Views of	101, 1019
Road-Rail Policy in Nawanagar State	494
Road Services Required by Railways	843
Rohilkund & Kumaon Railway Locomotive Orders	467
Rolling Stock Programme, 1937-38	414
Sheffield Double Frame Welded Broad Gauge Passenger Bogies for Bengal-Nagpur Railway	*528
Signalling, Committee on	607
Signals, Colour-Light, at Howrah	1059
Solar Eclipse Fair Traffic Arrangements	9
South Indian Diesels	731
South Indian Railway Report	650
Staff Payment Savings	486
Standard Bridges in H.T. Steel	138
Standardisation of Equipment	137
Third Class Passenger Amenities	218
Ticketless Travel	414, 486, 885, 1020
Track Equipment and Increased Speed	294
Troop Trains	840
Viceroy on Railways	963, 973
Wheat Export Freight Rebate	747
Indian Transport Advisory Council	101, 127, 218
Indo-China, Railways of:	
Diesel Railcars	77, *83, 463, 562
Progress	214, *219, 506
Industry:—	
Cumberland Iron and Steel Industry	408, 431
French Rolling Stock Industry	365
U.S.R. Orders Placed in Great Britain	355, 998
International Association for Testing Materials	236
International Container Bureau	1026
International Exhibition of Inventions	594
International Railway Congress Association	257, 514, 658, 678, 995
Iranian Railways:—	
Beyer-Garratt Locomotives	*372
Iraq Railways:—	
Transfer Agreement Ratified	237
Irish Railways:—	
Closed Branch Lines of the Great Southern Railways	349

## Irish Railways (contd.)

Closed Branch Lines (other than Great Southern)	1041
Cork (Albert Street) Derelict Terminus Sold	236
Diesel Double-engined Railcar for Northern Counties Committee (L.M.S.)	*248
Diesel Repeat Order from the Great Northern	766, 772
Diesel Shunting and Branch Line Traffic Locomotive for Northern Counties Committee (L.M.S.)	72, 252, *916
Dividend Statements	159, 282
Free State Railways in 1935	778
"Free to Free" Traffic	931
Great Southern New Suburban Carriages	*979
Great Southern Passenger Stock Developments	47
International (Cross-Border) Main Line	743, *752, *789
Northern Counties (L.M.S.)	506, 634
Northern Ireland Pooling Scheme	69
Northern Ireland Railways in 1935	368
Northern Ireland Traffic	32, 384, 542, 770, 989
Signalling Developments in the Irish Free State (Paper by Mr. H. J. Guthrie)	601, *611
Tourist Traffic in the Free State	840
Wages	541
West Clare Railway Gauge Conversion Proposal	70
Westland Row Station Alterations	47
Irish Union Dinner	1056
Isle of Man Railway Crest	*1018
Italian Railways:—	
Aerial Railway to Monte Bignone	678
Bologna Direttissima and Florence New Station	*223
Buffet Express Diesel Cars	*732
Diesel Railcar Orders	992
Diesels, Rapid Advance in	*1094
Diesel Triple-Car Super-Speed Trains	*912
Differential Gauge for Measuring Worn Tyres	*371
Electrification	432, 478, 646, 827, 830
Eritrean Cableway, Massawa	121, 694
High Speed	877
Improvements by State Railways	841
Rome Underground Railway Proposal	904
Somaliand New Railway	122
Streamlined Electric Train Trial Run	183
Three-Phase Locomotive Mileage	830
Underground Stations as Air Raid Shelters	384
Week's Travel Throughout Italy for 22s.	69
Italo-French Transport Company in Abyssinia	998
J	
Japanese Railways:—	
Air-conditioned Dining Car	656
Diesel Trains and Cars	252, 862
Electric Four-car Streamlined Trains	*171, 447
Government Railways Results	930
Local Freight Diesel Locomotives	922
Local Railways	818
Locomotive, New Standard 2-8-2 Type	*190
Retirements Cheap	412
Shimonoski-Moji Tunnel	656
Streamlined 4-6-2 Express Locomotive, Modified	*111
Tunnel Collapse	139
Jarrow New Coal Shipping Staiths	*198, 202
Jaywick Miniature Railway	*594
Jersey Railway Fire	678
Johannesburg Exhibition	102, 119, 285, *302, 309, 462, 503, *529, 542
Joint Line Working	93
Jugoslav Railways:—	
Diesel Railcar Extension	404
Kosovo P-lje-Pec Railway	183
K	
Keith Blackman Offices Fire	122
Kenya & Uganda Railways:—	
Traffic Improvement Continued	219
King, The	1011
Kingsway Tramway Subway Alteration	160
Kowloon-Canton New Express	886
Kowloon-Canton Railway (British Section):—	
Report	*692
Kowloon-Canton Railway:—	
Named Expresses	1020, *1036
Passenger Services, Speeds, and Timings	1020
Posters	*692, *971
Kustenje Railway, Sir Samuel Baker and the	443

## L

Labour:—	
A.S.L.E.F. Claims	633, 765, 863, 903, 951, 990, 1015, 1045
N.U.R. £500 Contribution to Spain	236
Six-hour Day Demand on American Railways	886
Trade Union Membership	677
Ladies' Compartments	956
Latvian Railways:—	
Electrification	236
Road and Rail Bridge across the Dyvina	870
Leeds, Foundation Stone Laying Ceremonies at	592
Legal:—	
Assessment of Shops and Book-stalls at Victoria Station, S.R.	64
Bouts-Tillotson Transport Case	806, 818
Cheap Tickets and Railway Liability	869
Ganger's Accident (Bice v. L.N.E.R.)	1044
Intent to Avoid Payment	1044
Month's Railway Law	64, 806, 1044
Motor vice Horse (Richard Jones v. Roberts and Owen)	807
Newcastle High Level Bridge Assessment	902, 1044
New Exceptional Rates "Charged" but not "Granted" (G.W.R. v. Henry James & Sons Ltd.)	64, 807
Non-Transferable Tickets	770
Railway Cases in the Courts	806
Rate not "Validly Granted" (G.W.R. v. James and Hodder)	807
Return Tickets, Use of	806
Shunter's Accident (Mellor v. L.M.S.R.)	806
Tax on Debenture Interest (Inland Revenue v. Central London Railway)	64
Transferability of Tickets (L.M.S.R. v. Greaver)	1044
Leopoldina Railway:—	
Results in 1935	38
Leslie, Ronald	479
Letters, Railway	288
Letters to the Editor:—	
Baker, Sir Samuel, and the	443
Beds in Sleeping Cars	689
Boardwalk Flyer, The	652
Boiler Pressures in British Colonies	214
Bristol & Exeter Railway	42
Bristolian in Bad Weather	1016
Brunels, The	42
"Buffer Car," The	136, 258
Channel Crossing, The	*604
Colour-Light Signals	42
Commendation, A, and a Criticism	6
Critics, Are Ours Justified?	410
Cumberland, An Appeal from	836
Design on the Railways: The Beauty of Kings Cross	*98
Double-Deck Railway Carriages	214, *881
Engineering and Exporting	933
Fastest Trains in Great Britain	258
Gauge, Unusual Mixed	1016
Glasgow Flyer, The	880
Goach, Sir Daniel	443
High-Speed Junctions	745, 780, 836
High Speed Vindicated	484
Improved Service from Glasgow to Inverness	6
L.N.E.R. New High-Speed Trains	836, 999, 1016
London-Brighton Main Line	330
London to Ilfracombe	42
London to Inverness	1056
Notable Emergency Runs	568, 889
Palestine, A Passenger in	134
Portable Electric Tail Lamps	330
Raucous Railway Signal, A	362
Recovering Lost Time	98
Riding Qualities of Passenger Coaches	42
Right and Left Hand Running	*410
Running Shed Work Systems	258
Signalling at Waterloo	969
Signalling on Tramways	1016
Silver Jubilee, The	881
Southern Railway Upholstery	443
Spelling, A Question of	881, 969
Streamlining for High Speed	880
Summer Timetables of 1937?	934
Taff Vale, The, and a Predecessor	6
Train Ferry Connections to Brussels	689
Value of an Estate, Railways and the	362
Why Russia Adopted the 5 ft. Gauge	933
Level Crossings:—	
Accidents in 1934 and 1935	233
Accidents in U.S.A.	122, 964
Avoidance of Level Crossing near Angmering, S.R.	766
B.A.G.S. Railway Level Crossing Accident	413
Barriers, Increasing Use of in U.S.A.	649
Bridlington Level Crossing Accident	956

## Level Crossings (contd.)—

Denaby Main	956
Elimination of Level Crossings in U.S.A.	601, 1055, *1060, *1070
Illinois Level Crossings	439
Lancashire Level Crossings	127
New Zealand Level Crossings	
Elimination	366
Paving of Level Crossings in Argentina	45
Trunk Roads, Level Crossings and Toll Bridges on	956
Warnings, Indications for	758
Lighting:—	
Illuminating Engineering Society Presidential Address	648, 676
King's Cross Goods Depot, L.N.E.R., New Gas Lighting Installation at	768, *793
Light Railways:—	
Belgian Light Railways Report	326
Belgian Light Railways System	*1062
Dover St. Margarets and Martin Mill	506
German Light Railways Replaced by Road	1026
Key Control for Points	*186
Scunthorpe - Flixborough Industrial Light Railway	770
Shropshire & Montgomeryshire	310
Lister (R. A.) & Co. Ltd.	386, 461
Literature, Railway	437
Lithuanian Railways:—	
Brake Equipment Order	1048
Results in 1935	295
Livestock Conveyance by Railway	132
L.M.S.R. and L.N.E.R. Joint Committee Changes	593
Locomotive Engineering:—	
Alloy-steel Fireboxes	308
American Roller Bearing Locomotives	370
Boiler Pressures in British Colonies	214
Boiler Tubes, Material for	968
Boosters	327
Building of Locomotives by Railway Companies	651
Crank Pin Failures	1053
Cross-Balancing in Locomotives	588
Design, Recent Development of Locomotive (Presidential Address by Mr. W. A. Stanier)	513, 536
Economics of Locomotive Repairs	329
Flexibility of the Steam Locomotive	95
Furnaces, Efficiency of Locomotive	1013, 1042
Headlights	956
Heat-Treated Tyres	877
Henschel Novel Locomotive Designs	*657
Home Railways, Locomotives for the	*980
Institution of Locomotive Engineers	255, 513, *533, 536, 1015
Institution of Locomotive Engineers (Calcutta Branch)	120
Institution of Locomotive Engineers (South American Centre)	217, 263, 327, 734, 839, *861
Locomotive Building, Lt.-Col. E. Kitson Clark on	409
Locomotive Contracting in America	439
Nomograms for Superheated Steam	968
Piping on Locomotives	327
Pistons	338
Repairs in Heavy Service	1089
Safety Valves	359
Skoda Locomotive Booster	*574
Steam and the Locomotive	601
Steam Locomotive Development	683
Welding in Locomotive Fireboxes	263
Welding Locomotive Frames	741
Locomotives, Classes and Types:—	
Articulated Locomotives, A Plea for	1015
Beira Alta Railway, Portugal, 4-8-0 Locomotives	366, *378
Belgian New Passenger Locomotives	520
Beyer-Garratt Locomotives for Iranian Railways	*372
Beyer-Garratt (Vivian) Locomotive Order	544
Canadian National Mikado 2-8-2 Freight Locomotive	365
Canadian National New Streamlined 4-8-4 Locomotives	182, 261, *274
Canadian Pacific Streamlined 4-4-4 "Jubilee" Class Locomotives	*55, *229, 504, *700
De Glehn Compounds in India	565
Egyptian State Railways 2-4-2 Tank Locomotives	*627
German Eight-coupled Locomotives	432
German 4-6-2 Locomotive Exhibited at Berlin	*300
German State Railway Condensing Turbine Locomotive	*986
German Ten-coupled Tank Locomotive	432
Gold Coast Railway 4-8-2 Locomotive	942, *944
G.W.R. New 4-4-0 Light Locomotives, "Earl" Class	31, 39, *60



Locomotives, Classes and Types (contd.)

G.W.R. New Mixed Traffic 4-6-0 Locomotives, "Grange" Class	491
Heaviest Locomotive, The	1056
Japanese Government Modified Streamlined 4-6-2 Locomotive	111
Japanese Railways New Standard 2-8-2 Type Locomotive	190
Junagad State Railway Locomotive	942, 943
L.M.S.R. New "Coronation" Locomotive	512
L.M.S.R. New Mixed Traffic 4-6-0 Locomotives	274, 314, 630
L.N.E.R. Rebuilt D20 Class 4-4-0 Locomotive	986
L.N.E.R. 2-8-2 Three-cylinder Engines	3, 12, 63
Maximum Locomotive Horsepower	877
North British 4-8-2 Tank Locomotive Exhibited at Johannesburg	529
San Paulo (Brazilian) Railway New 4-6-4 Tank Locomotives	565, 583
Silver Jubilee, Sir Nigel Gresley on the	683, 712
Simple-Expansion Mallets	255
South Australian Railways New Streamlined Locomotives	1034, 1035
Southern Railway New Express Freight S.15 Class 4-6-0 Locomotives	55
Temiskaming & Northern Ontario "Northern" 4-8-4 Passenger Engine	365
Trans-Australian Railway New Locomotives	694
Turbine Locomotive Criticised	177
Turbine Locomotive for the Union Pacific	281
Turbine Locomotive, Has it a Future?	407, 416
Turbine Locomotives in the U.S.A.	685
Union Railroad (U.S.A.) 0-6-0 Shunting Locomotives	759
Union Railroad (U.S.A.) 0-10-2 Shunting Locomotives	407, 423
Locomotives, Miscellaneous —	
"Agenoria" Locomotive at York Railway Museum	462
Brill Tramroad Engine of 1872	362
Chaplain & St. Lawrence Locomotive <i>Dorchester</i> at Canadian Centenary Exhibition	261, 274
C.P.R. Locomotive for Transcontinental Jubilee Train	55
French 1870 Locomotive "Facsimile" for Filming	8
Great Eastern Locomotive of 1867 Saved from the Sheriff	364
L.N.E.R. New Locomotives	770
M. & G.N. Locomotives	678
Picture Building of Locomotive with Type	364
Stephenson's <i>Puffing Billy</i> , A Link with	410
U.S.A. Locomotives and their Power	1053
Veteran Locomotive on Wooden Rails	332
Locomotive Working —	
Algerian Garratts in Express Service	678
Belgian Locomotive Performance	766
4-4-0 Modern Locomotive Performances	131, 153
French Cab Signalling Developments	481, 777
G.W.R. Notable Emergency Run	481, 504
Improving Locomotive Performance	1013
Ivatt Atlantic Exploit, Another	
L.M.S.R. Locomotive Work in the Highlands	480
L.N.E.R. Remarkable Locomotive Performance	255, 278
New Zealand Locomotive Performance	119
Nord Locomotive Performance	48
Performance, New Standards of	777, 805
Running Shed Work Systems	175, 258
Silver Jubilee, Locomotive Working on the	777, 805, 881
Silver Jubilee Notable Emergency Run	481, 504
Testing of Locomotives, Mr. W. A. Stanier on	441
Turbine Locomotive Practice in Germany	407, 416
Turning Locomotives by Power from Brake Apparatus on the L.N.E.R.	188
Washing Out Locomotive Boilers	483
Locomotive Workshops. See Works and Shop Methods.	
London & North Eastern Railway —	
Aberdeen Station Hotel Extension Accountant's Department Recreative Society's Annual Dinner	76
Athletic Association (G.N. Section) Annual Dinner	763

London & North Eastern Railway (contd.)

Ballast Edge Plough	112
Best Kept Stations in Scottish Area	543
Best Kept Stations in Southern Area	589
Best Kept Stations, Public View of	310
Blackhall Colliery New Station	204
Brighter Stations in Scotland	122
Buffet Car Facility, New	870
Bulk Handling of Grain, New Vans for	995
Camping Coaches for the Coronation	648
Clacton and Walton Branches	
Modernisation	229
Closed Branch Lines	592
Coaches, New	995
Coaling Plant at Colwick (Nottingham)	126
Coal-Loading Apparatus for Methil Docks	283
Coloured Etchings for Coaches	740, 765
Debating Society (Great Central Section)	535
Demonstration for Schoolchildren at West Hartlepool	894
Diesel Runs	555
Dining Car Meals and Public Taste	928
Doncaster Station Improvement	201
Doubling of Felixstowe Branch	788
Doubling of Soham-Snaith Junction Line	770
Electrification Manchester-Sheffield	770, 824
Faster Freight Trains to the North	234
Fish Dock Extensions at Grimsby and Hull	61
Fulwell New Halt	1047
Goole Swing Bridge	203
Great Northern Speed Renaissance	174, 184
Great Eastern Mechanics' Institute Prize Distribution	1041
Harwich Route Cheaper Fares	542
High-Speed Trains, New	742, 763, 836, 969, 1016
Hull Dock Improvements	353
Immingham Dock	236
Ivatt Atlantic Exploit, Another	481, 504
Joiners' Shop, Park Lane, Gateshead	376
King's Cross Goods Depot, New Gas Lighting Installation at	768, 793
Kings Cross Station Further Improvements	281
Kings Cross, The Beauty of	98, 130
Leeds Great Northern Hotel Improvement	280
Liverpool Street Rush Hour Relief Locomotive D20 Class 4-4-0 Rebuilt	986
Locomotive Performance, A Remarkable	255, 278
Locomotives, New	770
Locomotive Turned by Power from Brake Apparatus	188
Locomotives, 2-8-2 Three-cylinder	3, 12, 63
London Advertising Facilities	308
Mowatt Challenge Cup Competition	160
Musical Society	597, 870, 951
Newcastle Central Station Re-arrangements	819
Newcastle High-Level Bridge Assessment	1044
New Halt at Hawthorn Tower (near Seaham)	31
Newmarket Station Improvements	818
New Works Begun under Government-Guaranteed Loan Programme	869
Orders Placed 72, 126, 314, 680, 872	
Passimeters at Northallerton and Stockton Stations	310
Pictorial Luggage Labels for Named Trains	1047
Posters	463
Punctuality at Liverpool Street	364
Redcar East Halt	679
Road Motor Services	675
Road Vehicle Orders	314
Rolling Stock Exhibition at Sunderland	353
Scarborough Flyer High-Speed Exploit	39, 68
Seaside Reservation Office at Liverpool Street	678
Secretary's Departmental Dinner	969
Sheffield Station and the Steel Industry	995
Sheffield-Southend Line Modernisation	273
Shunting (Mechanised) Efficiency at Hull	833
Signalling, Colour-Light, at Leeds New Station	14
Signalling, Colour-Light, for Cowairs	31
Signalling, Electric Colour-Light, Clapton Junction-Chingford	908

London & North Eastern Railway (contd.)

Signalling, Power, Contract at Edinburgh, Waverley East	997
Signalling, Power, Installation at Edinburgh	601, 879, 891
Silver Jubilee, Locomotive Working on the	777, 805, 881
Silver Jubilee New Record	357, 360, 380, 381, 777, 805
Silver Jubilee Notable Emergency Run	481, 504, 568
Silver Jubilee Performances	38
Silver Jubilee's Birthday	511, 539
Station Improvements in Suburban Area	280
Telegraphs, High-Speed	204
Time Recovery	507
Turntable of 70 ft. for Norwich	126
Thorpe	280
Tyneside Electric Services	280
Wagon Orders	34, 72, 126, 206, 596
Waiting Rooms Redecorated	2
London Inter-Station Bus Services	545
London Midland & Scottish Railway —	
Aberdeen, Activity at	600
Accelerations, Further	508
Amateur Dramatic Society (London) in "The Last of Mrs. Cheyne"	716
Ambergate Triangular Junction	698
Ambulance Work	32
Ardsallan-Arran Accelerated Mail Service, New Steamship for	31, 230
Blackpool Record Traffic	1046
Blackpool, The "How" of	440
Buffet Cars de Luxe	438, 455
Building Programme for 1937	236, 238
Caravan Bookings for 1937	678
Christmas on the L.M.S.R.	1072
Cinema Mobile Instructional	741, 760
Closed Branch Lines	387, 989, 1041
Clyde New Bridge at Lamington	195
Corby Steel Works, Additional Accommodation at	770
Country Stations and Encouragement to Travel	326
Coventry-Michelin Railway in Service	202, 701, 1080
Crewing Signal Improvements	130, 160
Diesel Double-engined Railcar for Northern Counties Section	248
Diesel Shunting and Branch Traffic Locomotive for Northern Counties Section	72, 252, 916
Diesel Three-car Articulated Train	92
Divisional Operating Superintendent's Dinner	999
Dredger for Fleetwood	463
Evening Trips to the Sea	204
Glasgow Flyer, The	880
Golf Tournament	464
Goods Depot at Mill Hill, Blackburn, to Close	353
High-Speed Junctions	521, 568, 576, 745, 780
Hotel at Leeds, New Queen's	592
Household Removals	506
Johannesburg Exhibition Restaurant Popularity	542
John O'Groats Excursion	254
Line Street Station, Liverpool, Centenary	253, 309
Locomotive, A New "Coronation"	512
Locomotive Machine Shop Innovation	581
Locomotive Named "The Old Contemptible"	958
Locomotive Parts, Machining	628
Locomotive "Baby Scots" to be known as "Patriot" Class	634
Locomotives, New Mixed Traffic 4-6-0	274, 314, 630
Locomotive (3rd Carabiniers) Naming Ceremony	31
Locomotives in the Highlands	480
Locomotives Named after Irish Provinces	160
London-Inverness Service	1056
Middleton Road New Station	353
Motor Vessel <i>Teal</i> for Lake Windermere	69, 273
New Works Begun under Government-Guaranteed Loan Programme	869
One-Class Innovation on 60 Route Miles	511
Orders Placed	314, 355, 680, 772
Properties at Auction	463, 678, 821
Pulverised Fuel Plant at Crewe Locomotive Works	492
Punctuality—and "Not more than Five Minutes" Late	174
Quota District, A Successful	479
Quota Scheme, A French View of the	406
Refrigerating Flowers for Rail Transit	716
Road Licences	634
Road Motor Engineer's Department Organisation	1023
Robins Lane (Lancashire) New Halt	634
Royal Scot Climbing Ship	946
Rubber-tyred Railcar	463

London Midland & Scottish Railway (contd.)

Save-to-Travel Stamps (277,640) Sold	678
Sheffield District New Sidings Scheme	353
Six-hour Schedule Trial Run	834, 962, 986, 880, 900
London-Glasgow-London	
Sleepers Praise Sleepers	209
Sleeping Cars, New Composite	131
Snowdon, New Halt for	146
Staff College Scheme at Derby	739, 775, 808, 809
Standard Colours for Brighton Stations	432
Station Gardens Competition	594
Steamship Orders	435
Steel Melting Furnaces at Crewe Works	704
Stoke-on-Trent Property	811
Telephone Number	506
Tilbury Line New Halt	432
Time Recovery	95
Turbine Cargo Steamer <i>Slieve Donard</i>	1080
"Uster Express" Broadcast	506
Wagon Orders	386
Water Troughs and Waste Prevention	211
Welded Underframes for Goods Wagons	947
Witral Electrification	310, 772
London Passenger Transport Board —	
Central London Railway Eastern Extension Tunnel Contract	636
Central London Railway Modernisation	234
Christmas Posters	1013
Diesel Railcars for Metropolitan Line	72, 92
East End Facilities	956
Empire Woods for London Escalators	716
Escalators, "Keep Moving" on	1051
Faster Trains for Piccadilly Line	859, 1004
Green Line New Coaches	195
Interchangeability of Tickets Extended	70
London Bus Fleet Standardisation	191
London History—By London Transport	203
London Transport Players in "Chu Chin Chow"	818
Moorgate Station	69, 542
Neasden Depot and Summer Line Fly-Unders Contract	310, 314
Neasden New Depot	678
New Works	280
Orders Placed	72
Passenger-Operated Pneumatic Doors on New Hammersmith & City Train	107, 165, 172
Rating Scheme	236
Raucous Railway Signal, A	362
Rectifier Equipment, New	470
Report for 1935-36	688
Rush Hour and its Relief	964, 987
Sloane Square Station	311, 869
South London Tube Extension Requests	694, 716, 956
Sports Gala	203
Timetables, New London Local	122
Trolleybus New London Services	70, 204, 340, 870, 1046
Trolleybus Workshop Wagons	848
Wagon Orders	872, 908
Wanstead Park-Royal Albert Docks Trams Replaced by Buses	594
London Passenger Transport Board Trustee Co. Ltd.	870
London Railways Fifty Years Hence	927
London School of Economics	348
London Transport—Is it a Success?	40
Luggage Problem, Railways and the	178
Lynton, Railway Sought at	818
M	
McAdam, John Loudon	875, 882
Machines and Machine Tools —	
Automatic Drilling Speeds	39
Axlebox Work, New Machine for	419
British-built Drilling Machine for Russia	1035
Herbert New Plain Milling Machine	50
Horizontal Drilling Machine	454
Oxygen Cutting Machine	113
Railway Shops, New Machine Tool for	982
Malay States Railways —	
Air-Conditioned Coaches	832, 855
Manchester-Altrincham Electrification (Paper by Mr. F. W. Wheddon)	535
Manchukuo Railways —	
Construction Works	972, 983
Dairen New Station	695
Floods	295
Gauge Conversion	210
Lukow-Mishan Branch	183
New Lines under Construction	488
New Trains for Tokyo Olympic Games, 1940	489



- Manchukuo Railways (contd.).—**  
 Passenger Traffic with U.S.S.R. . . . . 295  
 Discontinued . . . . . 414  
 Reorganisation and Development . . . . . 414  
 Representative in Shanghai . . . . . 886  
 South Manchuria Railway Esti-  
 mates . . . . . 414  
 South Manchuria Railway New  
 Susupinkai-Hsian Branch . . . . . 695  
 South Manchuria Railway Pur-  
 chasing Agent in Berlin . . . . . 47  
 South Manchuria Railway Report 133  
 South Manchuria Railway to  
 Supply Japan with Oil . . . . . 11  
 Tsiang Light Railway Pur-  
 chased by State . . . . . 841  
 Manifold Valley Bridges 406, \*428, 506  
 Manifold Valley Railway Track  
 Presented to Staffordshire County  
 Council . . . . . 506, 716, 818  
 Marshalling Yards, Communication  
 in . . . . . 38  
 Matterhorn Ropeway . . . . . 236  
 Mechanical Engineers, Institution  
 of:—  
 Air Resistance of Passenger Trains  
 (Paper by Mr. F. C. Johansen) 932,  
 952  
 Annual Dinner . . . . . 594, 711  
 Presidential Address by Sir Nigel  
 Gresley . . . . . 683, 712  
 River Plate Branch . . . . . 45, 413  
 Mersey Railway:—  
 Conductor Rail Alterations 469, \*476  
 James Street Station Lifts . . . . . 633  
 Sale Rumours . . . . . 634  
 Metals, Institute of . . . . . 122  
 Midland & Great Northern Joint  
 Railway:—  
 Collecting Fruit and Beet Traffic \*495  
 Diagram of South Lynn-Great  
 Yarmouth Train Service, Aug. 3,  
 1935 . . . . . \*582  
 Map of Area Served . . . . . \*496  
 Working by the L.N.E.R. . . . . 201, 593  
 Middleton Colliery Railway . . . . . \*1058  
 Miniature Railway Opened at Clac-  
 ton . . . . . 236  
 Minister of Transport in the Cabinet 775  
 Minor Amenities of Rail Travel . . . . . 408  
 Mitropa Company Results . . . . . 326  
 Model Engineer Exhibition . . . . . 143, 467  
 Model Railway Hobby, The  
 "More for your Money" . . . . . 563  
 Morse Telegraph Centenary . . . . . \*1054
- N**  
 Netherlands Railways:—  
 Arnheim-Utrecht Electrification 478  
 Diesel Railcars, Additional 872, \*915  
 Diesel Train Kitchens . . . . . 562  
 Diesel Trains . . . . . \*735, 926  
 Electric Motor-Coaches Ordered 872  
 Hague-Gouda-Utrecht Electrifi-  
 cation . . . . . 646  
 Report for 1935 . . . . . 256  
 New South Wales Government Rail-  
 ways:—  
 Hawkesbury River Bridge . . . . . 788  
 New Lines . . . . . \*1019  
 Safety . . . . . 122  
 New Zealand Government Rail-  
 ways:—  
 Budget . . . . . 571  
 Christchurch New Station . . . . . 885  
 Co-ordination . . . . . 339  
 Diesel Railcar for Night Travel . . . . . \*404  
 East Coast Railway, North Island 335  
 Electric Rolling Stock Orders . . . . . 34  
 Films . . . . . 607  
 Governor-General's Interest in  
 Railways . . . . . 693  
 Level Crossings Elimination . . . . . 366  
 Locomotive Performance with Ab-  
 Class Pacific Type . . . . . \*119  
 Locomotives for Canterbury-West  
 Coast Line . . . . . 936  
 Net Revenue Increase . . . . . 260  
 New Carriages . . . . . 693  
 Railcar Brakes . . . . . 693  
 Railcars, New Double-Bogie . . . . . 260  
 Railcars, New Six Wheel 45, 103, \*271  
 Railcars on the Rimutaka Section 693  
 Report for 1935-36 . . . . . 602  
 Second Class Modern Coach . . . . . \*425  
 South Island Extensions 335, \*784  
 Staff Tribunal . . . . . 260  
 Traffic Returns Improving . . . . . 693  
 Wages Costs . . . . . 693  
 Wagons, Additional . . . . . 260  
 Waipara River Bridge Renewal . . . . . 137  
 Wellington-New Plymouth Partial  
 Deviation . . . . . 936  
 Wellington New Station Prelimi-  
 nary Track Work Completed . . . . . 486  
 Workshops Activity . . . . . 747  
 Nitrate Railways:—  
 Iquique-La Noria Concession 69, 353,  
 571  
 Nomogram for D.C. Track Circuits \*140  
 Nomograms for Superheated Steam 968  
 Non-Stop Acceleration . . . . . 1052  
 Non-Stop Running . . . . . 564, 590  
 Non-Stop Runs, The Longest British  
 . . . . . 564, 590
- North Africa, The Railway Position**  
 in . . . . . 490  
 North-East Coast Institution of  
 Engineers and Shipbuilders . . . . . 236  
 Northern Aluminium Company's  
 New Laboratories . . . . . 31  
 Northern Ireland Road Transport  
 Board:—  
 New Goods Vehicles . . . . . \*22, 160  
 Reorganisation Work . . . . . 849  
 Vesting Order Reversal Upheld . . . . . 204  
 Northern Railway Officers' Associa-  
 tion . . . . . 466  
 Norwegian Railways:—  
 Diesel Two-Car Train Ordered . . . . . 249  
 Electric Trains for Oslo-Ski Line 478  
 Electrification . . . . . 646  
 Novelists and Railways . . . . . 216, 259  
 Nyasaland Transport Developments 205
- O**  
 Omnibuses. See Road Transport.  
 One Hundred Years Ago . . . . . 44, 259,  
 412, 570, 782, 971  
 Organisation of Road Motor Engi-  
 neer's Department of a Railway \*1023  
 Oriental Railways Company . . . . . 334  
 Orphanage, Railway Servants' . . . . . 635  
 Oseid Channel Ferry Service for  
 Motor Cars . . . . . 204, 310, \*343  
 Ottoman Railway Holding Bonds . . . . . 506  
 Overseas Railway Affairs . . . . . 9, 45,  
 101, 137, 181, \*217, 260, 293, 333,  
 365, 413, 446, 486, 519, 571, \*607,  
 655, \*693, 747, \*783, 839, 884,  
 936, 972, 1019, 1059  
 Oxy-Acetylene Welding Conference  
 . . . . . \*674, 741
- P**  
 Paget, Cecil Walter . . . . . 1014, \*1038  
 Palestine Railways:—  
 Passenger in Palestine, A . . . . . 134  
 Railcars Ordered . . . . . 386  
 Tri-lingual Poster . . . . . \*746  
 Wagon Orders . . . . . 72, 386, 467  
 Paris Metro, The Father of the . . . . . 211  
 Parliamentary:—  
 Great Western Railway (Addi-  
 tional Powers) Act, 1936 . . . . . 27,  
 127, 157, 233  
 Great Western Railway Bill for  
 Session 1937 . . . . . 909, 959  
 Great Western Railway (Ealing  
 and Shepherd's Bush Railway  
 Extension) Act, 1936 . . . . . 27, 127  
 London & North Eastern Railway  
 Bill for 1937 . . . . . 993, 1000  
 London & North Eastern Railway  
 (General Powers) Act, 1936 . . . . . 67,  
 127, 157, 233  
 London & North Eastern Railway  
 (London Transport) Act, 1936 . . . . . 27,  
 127, 157, 233  
 London & North Eastern Railway  
 Order Confirmation Act, 1936 . . . . . 127  
 London Midland & Scottish Rail-  
 way Act, 1936 . . . . . 127, 127  
 London Midland & Scottish Rail-  
 way Bill for 1937 . . . . . 993, 1000  
 London Midland & Scottish Rail-  
 way Scottish Provisional Order  
 for 1937 . . . . . 959, 1000  
 London Passenger Transport  
 Act, 1936 . . . . . 27, 67, 127, 157, 233  
 London Passenger Transport  
 Board Bill for 1937 . . . . . 959, 993  
 Manchester Ship Canal Act, 1936 . . . . . 157, 201, 233  
 M.P.'s Travelling Facilities 233, 831  
 New Railway Works under  
 Government-Guaranteed Loan  
 Programme . . . . . 869  
 Notices of Railway Bills . . . . . 909,  
 1000, 1001  
 Parliamentary Notes . . . . . 27, 67,  
 127, 157, 201, 233, 905, 987  
 Questions in Parliament . . . . . 27, 67,  
 127, 201, 233, 811, 869, 956, 987  
 Railway Freight Rebates Act . . . . . 870,  
 875, 905, 930, 958, 987, 1043  
 Royal Assent to Railway Bills . . . . . 127, 233  
 Southern Railway Act, 1936 . . . . . 27, 127  
 Southern Railway Bill for 1937 959,  
 1001  
 Trunk Roads Bill . . . . . 844  
 Parsons, Sir Charles, and Steam . . . . . 833  
 Passenger Railways' Increasing  
 Duties to the . . . . . 876  
 Patentes, Institute of . . . . . 122  
 Patents, Abstracts of Recent . . . . . \*124,  
 \*312, \*465, \*718, \*906, \*953, \*1081  
 Permanent Way:—  
 Ancient Permanent Way for  
 Science Museum . . . . . \*430  
 Arc-Welded Rail Joints . . . . . 95, \*105  
 Ballast Edge Plough, L.N.E.R. \*112  
 Detecting Rail Defects at Perma-  
 nent Way Depots . . . . . 513, \*531  
 Fissures in American Rails . . . . . 833  
 4,000-ft. Rails in the U.S.A. 363, 818  
 High-Speed Junctions . . . . . \*521, 567  
 High-Speed . . . . . \*576, 745, 780, 836  
 High Speeds, Permanent Way for 257  
 Inspection Trolleys of 1883 . . . . . \*838
- Permanent Way (contd.).—**  
 Intercepting Defective Rails . . . . . 513,  
 \*531  
 Life of Rails . . . . . 741  
 Long Rails . . . . . 287, 656  
 Mechanics of Railway Track . . . . . \*147  
 Medium Manganese Rails . . . . . 3, 29  
 Permanent Way Institution \*60, 70  
 Rail-to-Sleeper Fastenings, Rein-  
 forcing . . . . . \*51  
 Rail Welding Catechism . . . . . 211  
 Southern Railway Flying and  
 Burrowing Junctions . . . . . \*749, \*786  
 Sperry Rail Detector, C.P.R. \*422  
 Victorian Government Railways  
 Sleeper Durability Investiga-  
 tions . . . . . 102  
 Victoria, Welded Rails in . . . . . 685  
 Weed Killing on the Reichsbahn . . . . . 513, \*530  
 Welding of Worn Crossings . . . . . 685  
 Persian Railways. See Iranian  
 Railways.  
 Peruvian Corporation Railways:—  
 Diesel Railcar Orders . . . . . 766  
 Locomotive Order . . . . . 314  
 Railbus Orders . . . . . 314  
 Wagon, &c., Orders . . . . . 544, 872  
 Pickfords Further Acquisition Pend-  
 ing . . . . . 280  
 Pickfords Heavy Haulage Depart-  
 ment . . . . . \*1029  
 Pickfords Licences . . . . . 280  
 Pickfords, New Acquisition by . . . . . 904  
 Pioneer, A Forgotten Railway . . . . . 351  
 Plan, The Railway, as a Component  
 of the Regional Plan . . . . . 382  
 Police, The Work of Railway 385, 865  
 Polish Corridor Payments . . . . . 384  
 Polish Railways:—  
 Legionowo - Tluszcz Railway  
 Opened . . . . . 384  
 Warsaw Electrification . . . . . 477, 1047  
 Ports. See Docks, Harbours, &c.  
 Portuguese Railways:—  
 Beira Alta Railway and its Latest  
 (4-8-0 Type) Locomotives 366, \*378  
 East Africa, New Lines in . . . . . 972  
 Post Office, London-Aberdeen Tra-  
 velling . . . . . 1012, 1040  
 Post Office Travelling Service 964, 988  
 Public Eye, Catching the . . . . . 776  
 Publicity:—  
 American Railways Programme 11,  
 183, 487  
 Christmas Greeting Posters of  
 British Railways . . . . . 904  
 "Claims Prevention" Posters,  
 G.W.R. . . . . \*136, 180,  
 \*216, \*259, \*292, \*332, \*364, \*412,  
 \*445, \*485, \*518, \*570  
 Excursion Posters of 1867, G.W.R.  
 . . . . . \*352, 353  
 French Railway Posters . . . . . 431  
 French Railways . . . . . 65  
 G.W.R. Posters . . . . . 154  
 Kowloon-Canton Railway Posters  
 . . . . . \*692, \*971  
 L.N.E.R. London Advertising  
 Facilities . . . . . \*308  
 L.N.E.R. Posters . . . . . 463  
 London-Paris Through Service  
 Poster . . . . . \*606  
 London Transport Christmas  
 Posters . . . . . \*1013  
 Palestine Railways Tri-lingual  
 Poster . . . . . \*746  
 Pictorial or Oral . . . . . 187  
 Railways and Holiday Resort  
 Publicity . . . . . 511  
 Southern Railway Posters 810, 993  
 Pullman Car Results . . . . . 963  
 Pullman-Standard Car Manufac-  
 turing Company 100,000th Patent  
 . . . . . 187, 252  
 Punctuality . . . . . 174
- Q**  
 Quarter Day and Household Re-  
 movals . . . . . 513  
 Queensland Government Rail-  
 ways:—  
 Co-ordination . . . . . 1032  
 Diesel Services . . . . . 926  
 Earliest Train in the State 103, \*114  
 New Administrative Offices, Bris-  
 bane . . . . . 103, 138, \*148  
 Pageant . . . . . 103, \*114
- R**  
 Radio, Railways and . . . . . 359  
 Railcars. See Rolling Stock.  
 Rail Manufacture, Economical . . . . . 408  
 Rails. See Permanent Way.  
 Railway Benevolent Institution:—  
 Anniversary Festival for 1937 . . . . . 671  
 Casualty Fund Collection . . . . . 1046  
 Railway Club . . . . . 463, 634, 870, 995  
 Railway Rates Tribunal:—  
 Agreed Charges . . . . . 69, 74,  
 204, 207, 434, 597, 745, 773, 995, 999  
 Freight Rebates Scheme Review 770,  
 773, 903, 930, 958  
 G.W.R. v. James & Hodder—  
 Rate not Validly Granted 64, 807
- Railway Rates Tribunal (contd.).—**  
 Railways and Coastal Shipping . . . . . 204  
 Sittings in 1937 . . . . . 958, 961  
 Standard and Exceptional Charges  
 Review Decision . . . . . 130  
 Railways and Road Transport Sec-  
 tion. See Road Transport.  
 Railway Share Market . . . . . 36, 76,  
 128, 164, 208, 240, 284, 316, 356,  
 388, 436, 468, 510, 546, 598, 638,  
 682, 722, 774, 822, 874, 910, 962,  
 1002, 1050  
 Railway Staff and Labour Matters 27,  
 65, 120, 158, 201, 220, 282, 305,  
 541, 633, 677, 765, 863, 903, 951, 990,  
 1045  
 Railway Staff National Tribunal . . . . . 27,  
 65, 93, 120, 129, 158, 201, 212,  
 220, 863, 903, 951, 990, 1015, 1045  
 Railway Students' Association (Lon-  
 don School of Economics) 154, 988  
 Ramsgate New Electric Tunnel  
 Railway . . . . . \*234  
 Rates and Charges:—  
 American Freight Rates . . . . . 447, 886  
 American Railways and Rates  
 Competitive with Waterways . . . . . 10  
 Commutation of Empty Haulage  
 Charges . . . . . 361  
 Exceptional Rates "Charged"  
 but not "Granted" . . . . . 64  
 Indian Railways 101, 572, 607, 747  
 Shunting and Siding Rent Charges  
 on Cripple Wagons . . . . . 41  
 Rating of Railways. See Assess-  
 ment of Railways.  
 Receiving Offices, Designs for New  
 Joint Railway . . . . . 280, 831, \*864  
 Regulation, Too Much . . . . . 479  
 Reindeer or Railway Tickets . . . . . 254  
 Rennie (John) Memorial . . . . . 629  
 Research, More, in the U.S.A. . . . . 1052  
 Research, The Value of . . . . . 327  
 Retired Railway Officers' Society . . . . . 800, 810
- Rhodesia Railways:—**  
 Commission: Functions and  
 Changes in Personnel . . . . . 2  
 Diesel Railcar, First . . . . . 738  
 Exhibits at Johannesburg Empire  
 Exhibition . . . . . 217  
 Main Line Relaying . . . . . 519  
 Rhodesia and Mashonaland Rail-  
 ways Reports . . . . . 4  
 Road Legislation . . . . . 1032  
 Right and Left Hand Running 349, \*410  
 Road Transport:—  
 Abnormal Loads: New Legislation 1021  
 A.E.C.'s in Canadian Service . . . . . \*22  
 American Bus Lines Hard Hit by  
 Rail Fare Reductions . . . . . 294  
 American Road Competition . . . . . 340  
 Animal-Drawn Transport Con-  
 demned in South Africa . . . . . 1021  
 Argentine Hill of Glory, Leyland  
 Bus at . . . . . \*500  
 B.A.G.S. Door-to-Door Transport,  
 Proposed . . . . . 1032  
 Baltimore & Ohio Railroad Ter-  
 minal Facilities Provided by  
 Road . . . . . \*499  
 Bath Bus Services to be Railway  
 Associated . . . . . \*661  
 Birmingham & Midland Omnibus  
 Co. Ltd. Buys Leicester & Dis-  
 trict Bus Undertaking . . . . . 353  
 Birmingham & Midland Motor  
 Omnibus Co. Ltd. Increase of  
 Capital . . . . . 873  
 Blackpool New Bus Station . . . . . 509,  
 843, \*851  
 British Railways' Motor Cartage  
 Services . . . . . \*493  
 British Railways: The Largest  
 Road Hauliers . . . . . 843  
 Buenos Aires Transport Co-ordi-  
 nation Law 10, 181, 542, 600, 904  
 Bus and Coach Stations . . . . . 20  
 Buses v. Railways in 1857 . . . . . 654  
 Bus Workers' Wages . . . . . 122  
 Calvados Light Railway Super-  
 seded by Road Transport . . . . . \*15  
 Canadian Railway Losses to Road  
 Transport . . . . . 783  
 Chile Forbids Motorcar Imports . . . . . 10  
 Coach Station Arrangement . . . . . 1022  
 Coach Stations, New American  
 Ideas in . . . . . \*21  
 Combination Passenger Vehicle  
 (Trolleybus or Petrol-Electric) \*192  
 Commer on the Gold Coast . . . . . \*196  
 Co-ordination in the United Pro-  
 vinces . . . . . 854  
 County Motors (Lepton) Limited 873  
 Crosview Improved Parcels  
 System . . . . . 1022  
 Crosview Motor Services Limited,  
 Developments . . . . . 844  
 Cumberland Motor Services In-  
 crease of Capital . . . . . 197  
 Dover-Ostend Motor-car Ferry 204,  
 310, \*343  
 Dover Transport . . . . . \*844  
 1847—Today . . . . . 496  
 Electric Railway Yard Vehicles \*342  
 Falkirk Tram Replacement . . . . . 197  
 French Railways and the Cost of  
 their Road Subsidiaries . . . . . 20

Road Transport (contd.).—

Fuels, Alternative .....	667
Gardner Diesel-Engine Vehicles in Rhodesia .....	*668
Gear, An Automatic and Infinitely Variable .....	*845
German Locomotives Transported by Road .....	*196
German Road Development .....	589
German Road Services Replace Light Railways .....	*1026
Goods Transport Workers' Conditions and Wages .....	180, 541, 633, 677, 765, 812, 849, 951, 1045
Green Line New Coaches .....	*195
Hants & Dorset Motor Services Limited New Issue .....	506
Hereford Bus Station .....	*1031
Hyderabad and Road Transport Regulation .....	854
I.A.E. Repair Certificates .....	500
Indian Railways Require Road Services .....	843
Indian Road Competition, Railway Views of .....	101, 1019
Irish Free State, New Road Competition in .....	818
Isle of Wight, Progress in the .....	1022
Karrier Cob Tractors for L.N.E.R. .....	*493
Leylands for the Northern Ireland Transport Board .....	*22, 160
Licence Discretionary, when Motor Substituted for Horse .....	807
Licence Granted for "Equivalent Case" .....	194
Licences and Railways .....	869, 987
Licences, Renewal of "A" .....	461, 538, 587, 647, 660, 806, 818
Licences, Renewal of "A," Appeal Against .....	995, 1046
L.M.S.R. and Bus Licences .....	634
Locomotive, Carting a Modern .....	*341
London Bus Fleet Standardisation .....	191
London Inter-Station Bus Services .....	*545, *663
London Trolleybus Services Extended .....	70, 204, *340, 870, 1046
Maidstone & District Motor Services Bonus Distribution .....	236, 387
Manifold Light Railway Track, Road Scheme for .....	160
Midland & Great Northern Joint Railway Services for Collecting Fruit and Beet .....	*495
Milk Transport Road-Rail Trailer .....	*854
Montevideo, Proposed Unification of Transport for .....	181
Morris Commercial Vehicle as Working Showroom .....	*197
Motor Fuels other than Petrol .....	1022
National Omnibus & Transport Co. Ltd. .....	889, 904
New Zealand Co-ordination .....	339
Nickel-Alloy Steels in Commercial Vehicle Construction .....	*497
Nizam's State Railway Road Services .....	182, 854
Normandy, Passenger Road Transport in .....	*19
Northern Ireland, Reorganisation in .....	849
Northern Ireland Vesting Order, Reversal Upheld .....	204
Oil Sprayer, An Automatic .....	*197
Organisation of a Railway Company's Road Motor Engineer's Department .....	*1023
Paris Suburbs, Grande Vitesse for the .....	494
Petrol-Electric Vehicles .....	15
Pickfords Heavy Haulage Department .....	1021, *1029
Queensland, Co-ordination in .....	1032
Rail-Road Policy in the State of Nawanagar (India) .....	494
Rail-Road Transport Problem (Address by Mr. A. J. Pearson) .....	957
Railway-Built Buses .....	*494
Railway Interests in Road Transport .....	339
Railway-Owned Omnibus Services .....	463
Railway-Owned Road, Suggestion for a .....	1021
Railways and Road Transport Section .....	*15, *191, *339, *493, *659, *843, *1021
Rhodesian Road Legislation .....	1032
Rhodesian Roads Improvement .....	194
Ribble Motor Services Limited and its Records .....	15
Ribble Motor Services Limited New Bootle Garage .....	*843
Road Vehicles Licensed in Great Britain .....	280, 818
Royal Society of Arts Road Transport Examinations .....	432, 590
Rubber Mudguards .....	194
Scammell Lorries Change of Address .....	*1042
Scammell Mechanical Horse .....	*345
Small Bus, The .....	844
Snow Clearing in Ottawa .....	*659
South African Railways Road Motor Services .....	*16, *18, *665, *1032
Southdown Motor Services Limited .....	122, 432

Road Transport (contd.).—

Southern Vectis Omnibus Co. Ltd. 1022	
South Lancashire Co-ordination .....	340
Special Buses in London .....	27
"Speditors" in Germany .....	290
Swiss Road Traffic Control Bill .....	938
Thanet Road Transport Reorganisation .....	310, *498
Thornycroft Handy Vehicles .....	*193
Thornycrofts for Argentina .....	*496
Trolleybuses .....	659
Trolleybus Workshop Wagons for London Transport .....	*848
Trunk Road Nationalisation .....	37, 67, 69, 844
Turkish State Railways Road Services .....	1032
United Automobile Services Limited .....	351
Weekly Road Accidents .....	32, 70, 334
123, 161, 204, 237, 281, 311, 354, 385, 433, 464, 507, 543, 595, 635, 679, 717, 771, 819, 870, 904, 958, 996, 1047	
Western Australia and Road Transport .....	1032
Yorkshire Franchise Bonus Issue .....	351
R.O.D. Dinner .....	*897, 902
Roller-Bearing Orders .....	314, 435, 908
Roller-Bearings on Railways, Increasing Use of .....	565
Roller-Bearing Report, A .....	287
Rolling Stock:—	
B.B. & C.I.R. New Type of Coach .....	936
Canadian Pacific Light-weight Semi-Streamlined Trains .....	*700, 701, 972
Coach or Carriage? .....	480
Coach Weights, Reducing .....	601
Common User of Wagons .....	686
Coventry-Michelin Railcar on the L.M.S.R. .....	202, *701
Door-to-Door Goods Wagons on the Barmer Bergbahn .....	*702
Double-deck Railway Carriages .....	*178, 214, 288, 307, *881
Electric Rolling Stock, New .....	317
Federated Malay States Railways New Air-Conditioned Coaches .....	832, *855
Fibre Stresses and Axle Fatigue .....	287
Finishing Railway Vehicles, Modern Methods of .....	929, 941, 977
French Railcar Run on Wood Gas .....	432
French Railway Rolling Stock Contracts .....	509
French Rolling Stock Industry .....	365
Ganz Railcar Cartoon .....	*292
German New Rolling Stock .....	965
Great Southern Railways, Ireland, New Suburban Carriages .....	*979
Heat Control in Railway Carriages .....	929
Heating of Railway Carriages .....	*975, 996
Large Rolling Stock Programmes, Are they Justified? .....	359
L.M.S.R. Buffet Cars de Luxe .....	438, *455
L.M.S.R. New Composite Sleeping Cars .....	131, *146
L.N.E.R. New Vans for Bulk Handling of Grain .....	995
London-Paris Wagons-Lits .....	*606, *620, *670
London Passenger Transport Board New Train on Hammonds & City Line .....	107, 165, *172
London Transport Faster Trains for Piccadilly Line .....	1004
Michelin Pneumatic-Tyred Car, The .....	41, *44, *52
Monarch Door Controllers for Wagons .....	680
New Zealand Modern Second Class Coach .....	*425
New Zealand New Double-Boogie Railcars .....	260
New Zealand New Six-Wheel Railcars .....	45, 103, *271
Paint Flaking on Railway Carriages .....	289
Pennsylvania Railroad Experimental Coaches .....	286, 294, *301
Piccadilly Line, New and Faster Trains for .....	*859, *1004
Pullman Buffet Car for Newhaven .....	31, *56
Railcars of Large Capacity .....	407, *420
Railway Carriage Doors .....	67
Riding Qualities of Passenger Coaches .....	42
Rubber-Tyred Railcar on L.M.S.R. for Piccadilly Line .....	463
Russian Post-Office Railway Carriage of 1872 .....	*883
Sheffield Double-Frame Welded 5 ft. 6 in. Gauge Passenger Bogies for Bengal-Nagpur Railway .....	*528
South African Railways Electric Express Railcar .....	101
Steel Rolling Stock in Remarkable U.S.A. Accidents .....	1013, *1033
Weight Reduction in Coaches .....	601
Welded Rolling Stock Discussed .....	327
Roumanian Railways, Diesel Order by .....	555, 1079

Rowland Hill, A Railway .....	357, 364
Royal Society of Arts Road Transport Examinations .....	432, 590
Royal Trains .....	1011
Rubber for Noise Reduction .....	573
Rule Book, Illustrating the .....	877
Rush Hour Relief .....	964
Russian Railways. See U.S.S.R. Railways.	
Russia, The First Railway in .....	600

S

Safety Measures on Railways, Mr. George Mills on .....	741, 764
Saleswoman, A Railway .....	437
Salta-Antofagasta Railway .....	160
Salta-Socoma Railway to be Replaced by a Road .....	936
San Paulo (Brazilian) Railway:—	
Concrete Mixing Plant .....	*860
Diesel-Electric Supercharged Streamlined Trains Ordered .....	283, 404
Diesel Units Ordered .....	126
Locomotive and Rolling Stock Orders .....	162
Pullman-Buffet Car .....	656
Sentinel Car Performance on Bragantina Section .....	260
Tank 4-6-4 Locomotives .....	565, *583
Santa Fe & Cordoba Railway Syndicate Limited .....	384
Santa Fe Provincial Railway (Argentina) Extension .....	884
Savings Banks, Railway .....	480
Scandinavia, A Journey in .....	995
Science, Its Impact on Society .....	405
Scrap Heap .....	*8, *44, *100, *136, *180, *216, *239, *292, *332, *364, *412, *445, *485, *518, *570, *606, *634, *692, *746, *782, *838, *883, *935, *971, *1018, *1058
Seaside and Country Travel Unlimited .....	256
Second Class Departure—First Class Return .....	*935
Shareholders. See Stockholders.	
Shelley, The Isolation of 288, 309, 353	
Show Train, All-Electric .....	204
Shropshire & Montgomeryshire Light Railway .....	310
Shunting and Siding Rent Charges on Cripple Wagons .....	41
Shunting, Efficiency of Mechanised 833	
Siamese State Railways:—	
Dielectric Stock .....	252
Orders Placed .....	355, 680
Siemens & General Electric Railway Signal Co. Ltd., New Headquarters at Wembley .....	*230
Sierra Leone Railway, Report for 1935 .....	438
Signalling:—	
Austin Chambers, A Reminder of .....	326
Austrian Electric Signal Lights .....	833
Automatic Interlocking on the French State Railways .....	*338
Berlin "Nord-Süd" .....	541
Brazilian Signalling Conference at Rio .....	785
Cab Signals on American Diesels .....	744
Cab Signals on the New Haven Railroad .....	1052
Colour-Light Signalling at Leeds New Station, L.N.E.R. .....	*14
Colour-Light Signalling for Cowairs, L.N.E.R. .....	41
Colour-Light Signals .....	32
Colour-Light Signals at Howrah .....	1059
Colour-Light Signals on Swedish Federal Railways .....	*702
Crewe Signalling Improvements .....	130, 160
Dover Tramways .....	889
Electric Colour-Light, Clapton Junction-Chingford, L.N.E.R. 908	
Electro-Pneumatic Signalling (Mr. R. S. Proud on) .....	5
Facing Points Protection .....	1046
French Cab Signalling Developments .....	481, 777
High-Speed Services, Signalling for .....	175
Institution of Railway Signal Engineers .....	*611, 713, 770, 880, 904, 1046
Institution of Railway Signal Engineers, Buenos Aires Branch .....	413
Irish Free State, Signalling Developments in the (Paper by Mr. H. J. Guthrie) .....	601, *611
Key Control for Points on Light Railways .....	*186
L.N.E.R. Large Power Signalling Installation at Edinburgh .....	601
L.N.E.R. Power Signalling Contract at Edinburgh, Waverley East .....	997
Nomogram for D.C. Track Circuits .....	*140
"P" Signs on the Southern .....	39
Recording the Working of Signals Signal Box, The Last of a Remarkable .....	689
Spring Power, Operating Signals by .....	210

Signalling (contd.).—

"Stop and Proceed" in France .....	5
Swiss Railway Signalling Changes .....	46
Tramways, Signalling on .....	1016
U.S.A. Floods and Signalling .....	12
Waterloo, S.R., Signalling at .....	779
Waverley Station, Edinburgh .....	*794, 868, 969, 801, 879, *881
Yellow Light, Has it been Correctly Used? .....	287
Simms Motor Units, New Address .....	122
Sleeping Car Pioneers .....	358
Sleeping Car, The First .....	122
Slides for Railway Lectures .....	313
Smoke Abatement .....	649
Smoke, Railway, in Liverpool .....	956
South African Airways .....	*1067
South African Railways:—	
Accelerations .....	938
British Locomotive and Rolling Stock Orders .....	34, 72
Bus for Country Services .....	*1032
Cape Town New Goods Station .....	656
Cape Western Line Modernisation .....	938
Capital and Betterment Expenditure .....	9
Catering Supplies .....	181
De Luxe Beds for Union Limited and other Trains .....	102
Diesel Orders .....	926
Durban New Bay Railway .....	210
Economy Cuts Restoration .....	385
Electric Express Railcars .....	101, 171
Electric Motor Coaches Ordered .....	386
Electrification Cato Ridge-Durban .....	478, 1046
Electrification Progress .....	1003
Financial Position .....	414, 938
Financial Results, 1935-36 .....	181
Headquarters Offices Extension .....	181
Ministry of Transport .....	572
New Line Construction Policy .....	607
Oil Tank Wagon New Design .....	72, 162, 509, 596, 721, 1079
Orders Placed .....	238
Passenger Coaches Ordered .....	938
Petrol Rate Reduction .....	938
Rand Electric Supply .....	840
Revenue April-September, 1936 .....	*16, *18, *665
Road Motor Services .....	1016
South African-Southern Rhodesia Trade Agreement .....	204
South Australian Celebrations .....	985
South Australian Railways Streamlined 4-6-2 Locomotives .....	*1034, 1035
Southern Africa Transport Conference .....	217, 379, 464, 487, 572
Southern Railway:—	
"Candlewick Station, London" .....	37
Charing Cross Hotel New American Bar .....	542
Charing Cross Station Rearrangement .....	1046
Closed Branch Lines .....	431
Diesel-Electric Shunting Locomotives .....	126
Dover-Dunkerque Train-Ferry Services (London-Paris) .....	462, 514, 580, 599, *606, *619, 958
Dover Train-Ferry Dock .....	*523
Dover Train-Ferry Service, Re-taurant Car and Retiming on .....	958
Electric Services, New .....	958
Electrification Progress (Paper by Mr. E. C. Cox) .....	823, *828
Electrification to Reading, &c. .....	678
Electrification Staines-Weybridge .....	716, 830, 1046
Fire on Channel Islands Boat Train .....	310, 929, 954
Flying and Burrowing Junctions .....	*749, *786
Fly-over at Durnsford Road, Wimbledon .....	*114
Folkstone-Dunkerque Service .....	580
Gatwick Racecourse Station .....	310
Hersham New Station .....	542
History .....	684, 690
Locomotives, S.15 Class 4-6-0 for Fast Freight and Mixed Traffic .....	*55
London Bridge Station Alterations .....	384
London Bridge Station Centenary .....	966, *984
London-Brighton Main Line .....	330
Manure Traffic, The Problem of Handling .....	1053, *1066
New Works Begun under Government—Guaranteed Loan Programme .....	869
Nine Elms New Railway Warehouse .....	*895
Orders Placed .....	314, 355, 721, 772
Paulsgrove Halt, Portsmouth .....	675
"P" ("Proceed") Signs between Waterloo and Hampton Court .....	3
Portsmouth and Southsea New Goods Depot .....	*30, *109
Portsmouth Line Electrification .....	171, 830
Posters .....	810, 993
Pullman Buffet Car for Newhaven .....	31, *56
Boat Trains .....	31, *56
Railway Servants' Orphanage Extension .....	407, *428

## Southern Railway (contd.)—

Rating of Let-Out Properties at Stations ..	64
Richmond New Station ..	161
Sale of Lost and Unclaimed Property ..	201
"Schools" Class 4-4-0 Locomotive Performance ..	131, 153
Sheppey Rail Connection Temporarily Closed ..	288, *309, 353
Signalling at Waterloo ..	*794, 868, 969
Southampton Docks New Sheds ..	355
Southampton Docks Rating ..	1046
Summer Timetables ..	32
Television Shows ..	351, 594
Upholstery ..	443
Valuation for 1936-41 ..	770
Southern San Paulo Railway, Mortuorum Arrangement ..	634
South Manchuria Railway. See Manchukuo Railways.	
South Wales Coal Trade ..	1077
South Wales Depression Problem ..	37, 62, 1051, 1076
South Wales, The Restoration of Prosperity to ..	878
South Wales Trade Recovery and Expansion Committee ..	160
Spanish Railways:—	
Bilbao River & Cantabrian Railway ..	446, 520
Bonds Created under State Guarantee ..	182
Catalonia, Railway Conditions in ..	695, 887
Civil War and the Railways ..	212, 295, 353, 446, 572, 695, 748, 887, 938
Commendation for Railwaymen ..	748
Communication between North and South ..	572
Diesel Railcar Performance on Villena, Alcoy & Yecla Railway ..	249
Diesel Railcar Travelling Clinic ..	695
Diesel Railcar Trials on the M.Z.A. ..	404
Great Southern of Spain Railway and the Government ..	66
Great Southern of Spain Railway Taken Over by Workers' Council ..	506, 520, 887
Legislative Proposals ..	182
Local Lines in 1935 ..	236
Madrid-Barcelona Communications ..	446
Madrid Metro as a Rail Shelter ..	320
Madrid Metro Dislocation ..	887
Madrid New Goods Station Proposal ..	572
Madrid, Railway Conditions round ..	887, 938
Moratorium Extended to Dividends and Debenture Interest ..	695
M.Z.A. Further Diesel Advances on the ..	*84
M.Z.A. Diesel Locomotives for Marshalling Service ..	*557
Northern Railway Seized by Republican Committee ..	204
Palamos Railway ..	183
Provisional Nationalisation ..	334
Railway Companies' Association ..	137
Representations to Government ..	182
Railway Defence Committee ..	137
Railway Militia Enrolment ..	572
Santander-Mediterranean Railway ..	446
Shareholders and Press Luncheon ..	102
Staff Demands ..	11
State Intervention ..	11
Straightening Out the Railway Position ..	785
Taking Over of Railways Legalised ..	748
10-Hour Day Substituted for 8-Hour Day by Workers on Central Aragon Railway ..	887
Through Running in Nationalists' Territory ..	695
Valencia, Conditions at ..	938, 1059
Vitoria-Salinas Electrification ..	171
Workers' Control ..	334, *337, 520, 609

## Speed (contd.)—

L.M.S.R. Six-Hour Schedule Trial Runs London-Glasgow-London ..	834, *862, *866
L.N.E.R. New High-Speed Trains ..	742, 763, 836, 969, 1016
Long-Distance High Speeds ..	834, *866
Need for Speed, The ..	1051
Non-Stop Acceleration ..	1052
Permanent Way for High Speeds ..	257
Safety, High Speeds and ..	777
Scarborough Flyer Fine Speed Exploit ..	39, 68
Silver Jubilee New Record ..	357, 360, *380, *381
Silver Jubilee Performances ..	38, 481, 504, 568
Southern Pacific Orders High-Speed Trains ..	261
Speed, Power and Cost ..	211
Streamlining for High Speed ..	880
World's New Record ..	928
Spelling, A Question of ..	881, 969
Springs, Railway ..	1053
Staff:—	
Austria, Old, Staff Welfare in ..	1051
Census of Railway Staff ..	361, 383
Diesel Rail Units Staff Wages and Conditions ..	765
L.M.S.R. Derby Staff College Scheme ..	739, 775, *808, *809
New Zealand Railway Staff Triennial ..	980, 1045
Railway Shopmen—Rate of Pay of "Graithor" ..	863
Railway Shopmen—Travelling Time ..	903
Railway Staff and Labour Matters ..	27, 65, 120, 158, 201, 220, 282, 305, 511, 633, 677, 765, 863, 903, 951
South African Railway Staff Economy Cuts Restoration ..	365
Spanish Railway Staff Demands ..	11
Swiss Federal Railways Staff Reductions ..	219
Standardised Offices ..	438
Standard Revenue, On the Way to Standard Steel Works, U.S.A., Representation in Europe ..	870
Stanier, Mr. W. A., Presidential Address by ..	513, 536
Stations:—	
Basle Station Re-naming ..	432
Blackpool New Bus Station ..	509, 843, *851
Bois Colombes, French State Railways ..	*584
"Candlestick Station, London" ..	37
Cape Town New Goods Station ..	656
Charing Cross, S.R., Rearrangement ..	1046
Chinese Station Names Changed ..	138
Christchurch, N.Z. ..	885
Coach Stations, New American Ideas in ..	*21
Cork (Albert Street) Derelict Terminal Sold ..	236
Country Stations and Encouragement to Travel ..	326
Cromsyfog, G.W.R. ..	430
Danbury ..	201
Exhibitions at Railway Stations ..	684
Florence ..	*227
G.W.R. New Halts ..	31, 1080
Hereford Bus Station ..	*1031
King's Cross, The Beauty of ..	*98, 130
Königsberg, East Prussia ..	175
Leamington Spa, G.W.R. ..	*540
Leeds New Joint Station Buildings ..	592
Lime Street, Liverpool ..	253, 309
L.M.S.R. New Stations and Halts ..	353, 432, 634, 904
L.N.E.R. Brighter Stations in Scotland ..	122
L.N.E.R. Improvements in Suburban Area ..	280
L.N.E.R. New Stations and Halts ..	31, 204, 1047
London Bridge Station Centenary ..	966, *984
Madrid New Goods Station Proposals ..	572
Moorgate ..	68, 542
Newcastle Central ..	819
Newmarket ..	818
Paris Metro New Stations ..	887
Richmond, S.R. ..	160
St. Malo Maritime ..	463
Shanghai Rebuilt Station Buildings ..	139, *149
Sheffield (L.N.E.R.) and the Steel Industry ..	995
Sloane Square ..	311, 869
Southern Railway New Stations ..	310, 542
Standard Colours for Brighter L.M.S.R. Stations ..	432
Vatican City ..	*114
Westland Row, Dublin ..	47

## Statistics:—

British Railway Returns for 1935 ..	253, 429
British Railways, April, 1936 ..	185
British Railways, May, 1936 ..	415
British Railways, June, 1936 ..	610
British Railways, July, 1936 ..	842

## Statistics (contd.)—

British Railways, August, 1936 ..	974
Steam Heating and Air Conditioning ..	133
Steam, Sir Charles Parsons and ..	832
Steamships:—	
Anti-Rolling Device Tested on Southern Railway ..	ss. Isle of Sark .. 480, *489, *506
Arran Mail Steamship for Accelerated Arran Mail Service ..	*230
Film, Railway Steamer in a ..	121
G.W.R. Channel Islands Steamships being Reconditioned ..	870
L.M.S.R. Orders two Clyde Steamers ..	435
L.M.S.R. Turbine Cargo Steamer "Sheet Bawn" ..	1080
Stockholders:—	
Argentine North Eastern Mortuorum ..	1046
Argentine Railway Dividends ..	593, 637, 647
Beira Railway Debenture Stock ..	1046
British Railway Interim Dividends ..	159, 173, 207, 209, 239
British Railway Stockholders' Union ..	770, 776, *800, 811, 927, 993
Central Argentine Railway 10-Year Notes ..	69
Grand Trunk Junior Stocks ..	310
Grand Trunk Senior Stocks Company ..	310
Help the Railways, How Stockholders Can ..	776, 811
Home Railway Final Dividend Dates ..	1046
Home Railway Interim Dividend Dates ..	31
Irish Railway Dividend Statements ..	159, 282
Railway Freight Rebates Fund ..	1043
Ransomes & Rapier Capital Increase ..	634
Siemens & Halske Bonds ..	385
Stewarts and Lloyds New Issue ..	542
Stockholm Railways Museum ..	*152, 153
Streamline Patent for Pullman Standard Car Manufacturing Company ..	187, 252
Streamlining and its Popularity ..	563
Strikes:—	
Indian Railways, Threatened ..	122
Soester Railway Goods Depots ..	634
Thames Valley Strike Settled ..	31
Sudan Railways:—	
Report for 1935 ..	687
Wagon Orders ..	283
Swansea & Mumbles Railway ..	280
Swedish Railways:—	
Diesel Railcar for Malmö-Ystad ..	252
Electricification Figures ..	646
Electricification Malmö-Gothenburg Improvements Programme ..	937
"Inland Railway" Nearing Completion ..	353
Private Railways' Future ..	160
Sleeping Cars ..	358, *380
State Railways Record Revenues ..	310
State Railways Results in 1935 ..	567
Station Dormitories on State Railways ..	*858
Surplus Steam Engines Sold ..	506
Swiss Railways:—	
Basle, Delays ..	295
Branch Line Closing Depreciated ..	648, 656
Brighter Prospects ..	938
Diesel Railcar Service on Lyss-Lausanne Section ..	92
Diesel Runs on Federal Railways ..	926
Disturbed Season Tickets ..	261
Electric Railcar Services ..	165
Electricification of Gossan-Sulgen and Giubiasco-Locarno Lines ..	171
Federal Railways 1937 Budget ..	784, 937
Furka-Oberrail Railway ..	30, *706
Gothardbahn "Levels" ..	*706
High Construction Cost in Mountainous Country ..	46
Jungfrau Railway Jubilee ..	432
Losses to Road Transport ..	46
New Works ..	46
Parsons Funicular Railway Extension, Proposed ..	770
Railcar Excursions ..	261
Reorganisation Problem of the Federal Railways ..	46, 938
Results for First Half of 1936 ..	295
Road Traffic Control Bill ..	938
Rolling Stock Orders ..	784
Sernthalbahn ..	*706
Show Train ..	46
Signalling Changes ..	46
Signals, Colour-Light, on Federal Railways ..	*702
Simple Line Flooded in Storm ..	432
Staff Reductions on Federal Railways ..	218
Success of Faster Services ..	447
Vitznau-Rigi Rack Railway Electrification ..	646
Zurich-Geneva Business Expresses ..	46
Syria, The Railways of ..	516

## T

Taff Vale, The, and a Predecessor ..	6
Tail Lights ..	5
Tanganyika Railways:—	
Report for 1935 ..	329
Traffic for First Quarter of 1936 ..	10
Telegraph Engineering, Progress in ..	1012
Telephones, Railway ..	879, 904
Temiskaming & Northern Ontario Railway:—	
Air-Conditioned Coaching Vehicles Ordered ..	47
"Northern" 4-8-4 Passenger Engine ..	365
Pooling Facilities ..	589
Rolling Stock Orders ..	47
Thames Road Transport Reorganisation ..	310, *498
Thornton, Sir Henry W., Memorial Plaques ..	*427
Tickets. See Also Fares:—	
Cheap Tickets and Railway Liability ..	869
Christmas Presents, Railway ..	958
Tickets as ..	261
French Workers' Special Tickets ..	414, 486, 885
Indian Ticketless Travel ..	70
London Transport Tickets Further Interchangeable ..	770, 1044
Non-Transferable Tickets ..	67
Railway and Air Tickets ..	806
Return Tickets, Use of ..	*424
Self-Printing Ticket Machine ..	261
Swiss District Season Tickets ..	31
Timber Fire-Proofing ..	32
Timber Show Train ..	876
Timetable Dreams ..	2, *7
Timetables:—	
Indicature Chaux, The Transformed ..	69, 594, *670, 677
European Timetable Conference ..	122
London Transport New Local Timetables ..	32
Southern and Great Western Summer Timetables ..	888, 934
Summer Timetables of 1937 ..	542
Toronto Exhibition, Railway Development at ..	1054
Tourist Traffic from Overseas ..	See Signalling.
Track Circuit. See Signalling.	
Trade. See Industry.	
Traders, What they Want ..	1011
Traffic:—	
British Railways Freight Traffic, 1929-35 ..	*697
Manure Traffic, The Problem of Handling ..	1053, *1066
Overseas Railway Traffic ..	2, 94, 174, 254, 326, 406, 480, 564, 648, 740, 832, 928, 1012
Six Months' Passenger Train Traffic ..	599
Three Months' Goods Train Traffic ..	325
Three Months' Passenger Train Traffic ..	129
Time Recovery ..	95, 98
Weekly Traffic of British Railways ..	1, 37, 93, 129, 173, 209, 253, 285, 325, 357, 405, 437, 479, 511, 563, 599, 647, 683, 739, 775, 831, 875, 927, 963, 1011
Traffic Returns, British and Irish Railways ..	33, 71, 123, 161, 205, 237, 281, 311, 354, 385, 433, 464, 507, 543, 595, 635, 679, 717, 771, 819, 871, 905, 959, 996, 1047
Traffic Table, Overseas and Foreign Railways ..	36, 76, 128, 164, 208, 240, 284, 316, 356, 388, 436, 468, 510, 546, 598, 638, 682, 722, 774, 822, 874, 910, 962, 1002, 1050
Train and Steamer Services:—	
Anglo-Scottish Winter Train Services, 1936-37 ..	430, 508
Belgian Railways ..	1049
British Main Line Train Services, 1914 and 1936 ..	358, 367
Folkstone-Dunkerque Service ..	580
Glasgow-Inverness ..	6
International Through Services from France ..	305
London-Paris Train Ferry Service ..	514, 599, *606, *619
Paris-Moscow ..	103
Passenger Train Services With drawn since Grouping ..	870
Train Ferries:—	
Brussels, Train Ferry Connections to ..	689
Dover-Dunkerque ..	462, 514, *525, 580, 599, *606, *619, 958
1872, Train Ferry Plans of ..	606
Evolution of the Train Ferry ..	602
Matrarch of Train-Ferries (Grant-Burntisland) ..	1052
Prize Paper ..	236
Tramcars, A Railway which Carries ..	439
Tramways, Signalling on ..	1016
Transandine Railway ..	293, 413
Trans-Australian Railway:—	
Air-Conditioned Car ..	*375
New Locomotives ..	694



Trans-London New Facility for Northern Travellers ..	70
Transport Classes in Birmingham ..	432
Transport Co-ordination, Mr. John Marchbank on ..	744
Transport Courses at North-Western Polytechnic ..	314
Transport, Institute of:—	
Argentine and River Plate Centre ..	45, 217, 413, 655, 884
Coastal Shipping in Relation to Transport Planning (Presidential Address by Sir Alfred Read) ..	631
Examinations, 1937 ..	122
Metropolitan Graduate and Student Society Dinner ..	868
Railway Finance, Some Aspects of (Address by Mr. W. V. Wood) ..	566, *588
Safety Measures on Railways—Address by Mr. George Mills ..	741, 764
Scottish Section ..	764
Southern Railway Electrification Progress (Paper by Mr. E. C. Cox) ..	823, *828
Travel and the Contended Mind ..	765
Travelling Post Office Services ..	964, 988, 1012, 1040
"Trianon Burden," The ..	565
Trinidad Government Railways:—	
Report for 1935 ..	406
Tunisian Railways:—	
Diesel Railcars ..	*400
Results in 1935 ..	512
Tunnels:—	
Channel Tunnel ..	27, 995
Long Railway Tunnels ..	213
Shimonoseki-Moji (Japan) ..	656
Turkish Railways:—	
Anatolian Railway Coupons ..	678
Developments in Asiatic Turkey ..	95, *118
Diesel Railcars Ordered ..	*249
Extension Progress and Prospects ..	334
German Locomotives for Tass Express ..	102
Road Services of State Railways ..	1032
Sivas-Erzurum Railway ..	370
<b>U</b>	
Uncommercial Travellers ..	740
Unification of Railways and Transport ..	1, 8
United States Metallic Packing Co. Ltd. ..	591
United Steel Companies By-Product Coking Plant at Workington ..	408, 431
U.S.S.R. Railways:—	
De Luxe Travel ..	488
Eastern Siberian Railway Opened to Komsomolsk ..	1001
Electrification ..	646
Improved Operating ..	280
Long Locomotive Run ..	189
Moscow Underground Extension ..	219
Passenger and Freight Time-table Schedules ..	219
Signalman Sentenced to Death ..	678
Speed and Gradient Indicator Invented ..	35
Uralsk-Ilesk Line Completed ..	1001
<b>V</b>	
Value of an Estate, Railways and the ..	362
Vatican City Station ..	*114
Venezuela Central Railway ..	904
Ventilation by Arbitration ..	286
Verney Junction Branch, Met. & G.C. Joint ..	*269, 278
Vickers Film for South African Exhibition ..	503
Victoria Cottage Hospital, Barnet ..	811
Victorian Government Railways:—	
Air-Conditioned Vehicles in Service ..	102
Colours for Notable Trains ..	519
Long Rail-lengths ..	656
Report for 1935-36 ..	931
Sedan Railcars ..	656
Sleeper Durability Investigations ..	102
Streamlined Air-Conditioned Steam Train ..	45
Switching Cabins near Melbourne ..	*323
Welded Rails ..	685
<b>W</b>	
Wages:—	
British Railway Wage Cuts Restoration Claim 27, 65, 93, 120, 129, 158 ..	
British Railway Wage Cuts Restoration Decision 212, 220, 282, 285, 305 ..	
Bus Workers ..	122
Canadian Railways ..	600, 1079
Irish Railways ..	541
New Zealand Railways ..	693
Railway Police Staff ..	27
Railway Shop Staff ..	27
Road Transport 160, 541, 633, 677, 765, 812, 849, 951, 1045 ..	

Wagon Repairs Limited ..	34
Warlike, Railways and Roads in ..	67
Water Troughs and Waste Prevention on the L.M.S.R. ..	211
Waterways. See Canals. ..	
Watt (James) Statue for Glasgow Green ..	543
Week-End "Tonic" Cruises ..	508
Welding:—	
American Boiler Code, First Year of the ..	483
Bridge Welding on Florida East Coast Railway ..	*369
Control of Welding ..	175
Economy ..	255
4,000-ft. Continuous Welded Rails in U.S.A. ..	383, 818
Instruction in Welding ..	1013
Locomotive Fireboxes ..	263
Locomotive Frames ..	741
Oxy-Acetylene Welding ..	632, *674
Practice for Railway Engineers ..	939
Rail Joints, Arc-Welded ..	95, *105
Rail Welding Catechism ..	211
Underframes for L.M.S.R. Goods Wagons, Welded ..	*947
Victoria, Welded Rails in ..	685
Welded Rolling Stock Discussed ..	327
Worn Crossings ..	685
Welsh Autumn Sheep Sales ..	542
West Australian Mineral Railway Scheme ..	508
West Coast Route, Genesis of the ..	867
Western Australian Railways and Co-ordination ..	1032
Whipsnade, Rail and Road to ..	204
Whitby & Pickering Railway ..	*136
Winter Troubles, Overcoming ..	928, *945
Women's Place in Business ..	955
Wood Durability for Railway Purposes ..	485
Works and Shop Methods:—	
Differential Gauge for Measuring Worn Tyres ..	*371
Economical Rail Manufacture ..	408, 431
Finishing Railway Vehicles, Modern Methods of ..	929, 941, 977
Intensive Locomotive Repairs on the Baltimore & Ohio ..	649
L.N.E.R. Joiners' Shop at Park Lane, Gateshead ..	*376
Locomotive Machine Shop Innovation, L.M.S.R. ..	*581
Locomotives, Should Railway Companies Build? ..	651
Machining Locomotive Parts at Crewe ..	*628
Machining a Locomotive Valve Gear ..	*265, *296
Philadelphia & Reading Machine Shop Problem ..	175
Pooling Locomotive Repair Facilities ..	481
Pulverised Fuel Plant at Crewe ..	*492
Locomotive Works, L.M.S.R. ..	*492
Railway Shops, New Machine Tool for ..	*982
Steel Working Furnaces at Crewe Works, L.M.S.R. ..	*704
<b>Z</b>	
Zugspitz Railway ..	*584

# PUBLICATIONS RECEIVED

Abrasive Wheels, The Use of ..	605
Allen (Edgar) & Co. Ltd. ..	444, 605, 781, 1017
Aluminium Finishing Processes ..	781
Aluminium in Production, Properties and Applications ..	411
Aluminium Sections ..	653
Aluminium Tubes and Pipes ..	135
Angus (George) & Co. Ltd. ..	291
Annals of the American Academy of Political and Social Science, September, 1936: Railroads and Governments ..	653
Anti-Corrosion and Heat-Resisting Castings ..	605
Asbestos Manufacturers Co. Ltd. ..	99
Automaticity in Railway Signalling—By Professor Dr. H. F. Arndt (in German) ..	444
Automobile, The Invention of the (Karl Benz and Gottlieb Daimler)—By St. John C. Nixon ..	854
Beckett, Laycock & Watkinson Limited ..	517
Belgian Light Railways Company: 50th Anniversary, 1884-1934 (in French) ..	179
Bessemer Acid Steel Rails, Regulated Sorbetic ..	691
Bray (George) & Co. Ltd. ..	444
British Aluminium Co. Ltd. 135, 411, 653 ..	
British Oxygen Co. Ltd. ..	882
Bruce Peebles & Co. Ltd. ..	484
Butterley Co. Ltd. ..	517
Callender's Cable & Construction Co. Ltd. ..	411
Canadian National Holiday Booklets ..	43

Canadian Railway Centenary Number of The News and Advocate, St. John's, Quebec ..	331
Cannes ..	331
Carbon and Alloy Steels ..	99
Chart Aids to Management—By M. L. Yates ..	1057
Chinese Railways: Historical Survey of Construction—By Cheng Lin (H. Lin Cheng) ..	1057
Colvilles Limited ..	215, 331, 569
Combustion-Chamber Design for Heavy Oil Engines—By Paul Belyavin ..	90
Compulsory Acquisition of Land—By R. A. Gordon ..	215
Conductor through the M.A.N. Permanent Exhibition, Oberhausen/Rhineland ..	1057
Constructors Limited ..	135
Control of Wagon Running in Marshalling Yards (in French)—By Mons. Rabourdin ..	291
Cook (Thos.) & Son Ltd. ..	444, 837, 970
Correcting the Welding of Tube and Sheet Copper for Piping Installations and Roof-Work—By W. L. Kilburn ..	882
Copper Development Association ..	1017
Copper for Bus-bars ..	1017
Cornish Riviera Limited, By—By W. G. Chapman ..	484
Cornish Economy, The, for the Machine Age—By A. G. McGregor Corsica (P.L.M. Publication) ..	741
Cotswold Country, The—By Maxwell Fraser ..	7
Country Walks, First Series—By Charles White ..	363
Country Walks, Second Series—By Charles White ..	653
Cycle Parks, All-Steel ..	135
Daily Mail Year Book, 1937 ..	882
Dean & Dawson Limited ..	837, 882
Economical Transport, Guide to (G.W.R.) ..	215
Economic Principles of Transportation—By W. T. Jackman ..	179
Economics of Transportation—By D. Philip Locklin ..	291
Economics of Transport, The—By Michael R. Bonavia ..	363
1847 to To-day (Thomas Tilling Limited) ..	496
Eisenbahn-Personentarif-theorien—By Dr. rer. pol. Theo. Fülles ..	517
Electric Furnaces ..	291, 691
Electric Heating Elements ..	444
Electric Signalling Lamp ..	517
Electro-Plating and Metal Finishing ..	179
Empire Exhibition, Johannesburg, Guide to British Government ..	517
Engineering Questions and Answers ..	135
Engineering Works ..	653
English Steel Corporation Limited ..	691
E.S.C. Small Tools ..	691
Euston Record, The ..	691
Erwiri Maps ..	363
Excavators ..	781
Eyre Smelting Co. Ltd. ..	569
Famous British Trains—By R. Barnard Way ..	43
Field Engineering—By Wm. H. Seales (21st Edition revised) ..	517
Firth (Thomas) & John Brown Limited ..	43, 99
Firth-Vickers Staybrite Works ..	605
Forest Products Research Records ..	215
Freinage des Wagons dans les Gares de Triage, Etude du—By Mons. Rabourdin ..	291
French Railway Literature ..	363, 882
General Electric Co. Ltd. ..	837
Gradients of the British Main Line Railways ..	43, 355, 444
Haddon (John) & Co. ..	882
Hadfields Limited ..	135
Hatch & Co. (Engineers) Ltd. ..	837
Harland & Wolff Limited ..	90
Heat-Resisting Steels ..	135, 215
Hendry (James) Limited ..	970
Henschel Hefte ..	781
High-Speed Steel Cutters ..	605
High-Speed Steels and Carbon Tool Steels ..	781
High-Speed Tools ..	444
High-Tensile and Rust Resisting Steels ..	331
History Land (Northern of France Railway) ..	331
Hoffmann Manufacturing Co. Ltd. ..	258
Home Grown Oak, The Properties of ..	215
Hunslet Engine Co. Ltd. ..	403
Hutchinson's Technical and Scientific Encyclopedia ..	691
Indicateur Chaix (The French Official Railway Timetables) ..	2, *7
Institute of Transport Examinations: Second Edition ..	569
Insulating and Protective Tapes ..	411
Interlocking and Block Installations—3 Parts (in German) ..	135, 331
International Chamber of Commerce: Commercial Arbitration under British Law: Commercial Arbitration under German Law ..	1017
International Combustion Limited ..	653

Ireland, Abroad in—By John Gibbons ..	817
Iron and Steel Pocket Book (H. J. Skelton & Co. Ltd.) ..	653
Iron and Steel, The Outline of—By Archibald Allison ..	361
Johannesburg ..	361
Kenya & Uganda, The Traveller's Guide to ..	569
Lamp Manufacturing & Electric Supplies Limited ..	179
Land Transport in the Stamp Album—By A. E. Gould ..	99
League of Nations Publications ..	411
League of Nations Statistical Year Book, 1935-36 ..	291
Light Alloy Practice ..	90
L.N.E.R. Colliery Map ..	374
Locomotive Actuelle, La: d'appel Le Mécanicien de Chemin de fer de L. P. Guédon—By Raoul Vigier and Emile Devernay ..	569
Locomotive, the Modern, from the Driver's Point of View, by L. P. Guédon (in French). Second Edition, Revised by Raoul Vigier and Emile Devernay ..	569
Loco's of "The Royal Road"—By W. G. Chapman ..	43
Lynton & Barnstaple Railway, 1895-1935. (Second Edition)—By L. T. Hatchpole ..	331
McAlmon, John London: Chapters in the History of Highways—By Roy Devereux ..	882
Magnesium Castings & Products Limited ..	43
Magnesium 266 ..	43
M.A.N. History ..	90
M.A.N. Railcars ..	90
Many Happy Returns—By Fougasse & McCullough ..	605
Metaelectric Furnaces Limited ..	691
Metal-Faced Plywood ..	653
Motor Transport Year Book and Directory, 1935-36 ..	22
National Public Works: Examination of Documentary Material Collected ..	411
Official Statistics, Guide to Current, Vol. 14 (1935) ..	99
Oil Engine Traction ..	90
Oil-Hardening Tool Steel ..	1017
Oil Seals ..	291
Organisation of Standardisation—National and International ..	1017
Overseas Railways Number of The RAILWAY GAZETTE ..	90
Oxygen Cutting and Profiling Machines ..	837
Photogravure Printing Machinery ..	882
Pit Tubes and Railway Wagons ..	517
Planers and Moulders ..	99
Plytime in Portugal—By John Gibbon ..	411
P.O. Midi Route Books ..	934
Power Transmission by Belt ..	970
Railway Handbook, The, 1936-1937 ..	484
Railway Mania and its Aftermath: 1845-1852—By H. G. Lewin ..	970
Railway Passenger Fares, Theories concerning the fixing of—By Dr. rer. pol. Theo. Fülles (in German) ..	411
Railways Athletic Association Official Year Book, 1935-36 ..	781
Road Traffic Acts and Orders (2nd Edition)—By R. P. Mahaffy ..	135
Robinson (Thomas) & Son Ltd. ..	99, 970
Roller Bearing Axleboxes for Railway Use ..	258
Round (B. J.) & Sons ..	517
"Safety First" Association ..	605
Selbsttätigkeit, Die, im Eisenbahnsicherungswesen—By Professor Dr. H. F. Arndt ..	444
Self-balancing Windows ..	517
Ships of the Narrow Seas ..	605
S.L.M. Winterthur Transmission ..	928
Smith (Thomas) & Sons (Rodley) Limited ..	781
Société Nationale des Chemins de fer Vicinaux: Cinquantième Anniversaire, 1884-1934 ..	179
South Africa ..	258
Southern Railway, A History of the—Compiled by C. F. Dendy ..	690
Special Steels ..	569
Steel-Clad A.C. Motors ..	484
Stellwerks und Blockanlagen, 3 Hefte ..	135, 331
Stevens, John: 1812 Reprinted Pamphlet on Steam Traction ..	837
Canal Navigation ..	837
Students Travel (National Union of Students) ..	834
Swiss Locomotive Company ..	925
Switchgear & Cows Limited ..	484, 646
Tanganyika Guide ..	1017
Thomas Tilling Limited ..	493
Tools and Die Steels ..	43
United Steel Companies, Workington Branch ..	691
Universal Directory of Railway Officials and Railway Year Book, 1936-37 ..	215
Vacances P.L.M., Eté, 1936 ..	43
Vesta Limited ..	653

West Indies, etc., Year Book, 1936	605
White Anti-Friction Metals	569
Wild-Barfield Electric Furnaces	291
Widmer—By Mary Munt	258
Winter Holidays	837, 882
Winter Resorts (G.W.R.)	691
Winter Sports in the French Alps (P.L.M. Folder)	653
Winter Sports (Thos. Cook & Son)	837
Winter Sunshine	444, 970
Wires and Cables	837
Woodworking Tools	970
Yearbook of Railroad Information: 1936 Edition	1017

## RAILWAY AND OTHER MEETINGS

Argentine Great Western Railway	814
Bengal Doars Railway	815
Bombay, Baroda & Central India Railway	163
Buenos Ayres & Pacific Railway	715
Buenos Ayres Great Southern Railway	684, 714
Buenos Ayres Western Railway	740, 769
Central Argentine Railway	816
Central Uruguay Railway of Monte Video	814
Great Southern of Spain Railway	66
Madras & Southern Mahratta Railway	1043
South Indian Railway	714

## RAILWAY AND OTHER REPORTS

Aldershot & District Traction Co. Ltd.	282
Alsace-Lorraine Railways	482
Anglo-Argentine Railways	93
Intofagasta (Chili) & Bolivia Railway	681
Argentine Great Western Railway	637, 766, 902, 1080
Argentine North Eastern Railway	873
Assam-Bengal Railway	981
Assam Railways & Trading Co. Ltd.	1080
Associated Equipment Co. Ltd.	873
Atchison, Topeka & Santa Fe Railway	357
Atlantic Coast Line Railway	902
Austrian Federal Railways	176
Bahia Blanca & North Western Railway	715
Baird Light Railway	462, 545
Beta & Mashonaland & Rhodesia Railways	878
Belgian Light Railways	326
Belgian National Railways	257
Bengal & North Western Railway	282, 994
Bengal Doars Railway	637, 715
Bengal-Nagpur Railway	681, 834
Benguela Railway	239
Beyer, Peacock & Co. Ltd.	159
Bolivar Railway	73
Bolivian Railway	508
Bolivian Railways in 1935	571
Bombay, Baroda & Central India Railway	94, 715
Brazil Railway	766
British Electric Traction Co. Ltd.	817
British Oxygen Co. Ltd.	817
British Railway Stockholders' Union	927
British Thomson-Houston Co. Ltd.	902
Brooklyn Manhattan Transit Company	508
Buenos Ayres & Pacific Railway	637, 681, 686, 902
Buenos Ayres Great Southern Railway	593, 650
Buenos Ayres Western Railway	593, 687
Buffalo & Lake Huron Railway	351
Callender's Cable & Construction Co. Ltd.	681
Carrier Engineering Co. Ltd.	508
Central Argentine Railway	637, 743
Central Bahia Railway Trust	127
Central Uruguay Railway	739
Central Wagon Co. Ltd.	994
Chilean Northern Railway	315
Chilean State Railways	571
Chilean Transandine Railway	315
Chloride Electrical Storage Co. Ltd.	873
Chosen State Railways in 1934-35	818
Clayton Dewandre Co. Ltd.	593
Congo-Ocean Railway	1051
Costa Rica Central Railway	740
Costa Rica Railway	127
Craven Bros. (Manchester) Ltd.	282
Danish State Railways	38
Dorad Railway	73
Dorman Long & Co. Ltd.	873
Dublin United Tramways Co. (1896) Ltd.	239
Eastern Railways of France	289
East Kent Road Car Co. Ltd.	1080
East Yorkshire Motor Services Ltd.	1080
Egyptian Delta Light Railways	94
Egyptian State Railways	486
English Electric Co. Ltd.	1080

Entre Rios Railways	778
Firth (Thomas) and John Brown Limited	593
Fishguard & Rosslare Railways & Harbours	239
Foreign Railways Investment Trust	817
Gedaref Railway & Development Co. (Sudan) Ltd.	1080
Gloucester Railway Carriage & Wagon Co. Ltd.	239
Glyn, Mills & Co.	127
Gold Coast Railway	775
Grand Union Canal	315
Great Northern Railway (Ireland)	159
Great Southern Railways	282
Great Western Railway	239
Greenwood & Batley Limited	73
Hants & Dorset Motor Services Limited	902
Hawthorn (R. & W.), Leslie & Co. Ltd.	351
Hay's Wharf Limited, Proprietors of Hoffmann Manufacturing Co. Ltd.	981
Heopoldina Railways in 1934-35	358
Hurst, Nelson & Co. Ltd.	315, 983
Interborough Rapid Transit Company	387
International Sleeping Car Share Trust	315
Interoceanic Railway of Mexico (Mexico to Vera Cruz)	994
Irish Free State Railways in 1935	778
Jannagar & Darkwa Railway	333
Japanese Government Railways	930
Kowloon-Canton Railway (British Section)	130
La Guaira & Caracas Railway	207
Laycock Engineering Co. Ltd.	637
Leopoldina Railways	38
Letterkenny Railway	315
Lincolnshire Road Car Co. Ltd.	994
Lithuanian Railways	295
London & North Eastern Railway	207
London Electric Transport Finance Corporation Limited	282
London Midland & Scottish Railway	207, 961
London Passenger Transport Board	688
London Transport C Stock	593
Lubeck-Büchen Railway	515
Madras & Southern Mahratta Railway	637, 966
Maldens & District Motor Services Limited	508
Manila Railway Co. (1906) Ltd.	817
Metropolitan Assented Stock	315
Metropolitan Railway Country Estates Limited	994
Metropolitan Railway-Surplus Lands Co. Ltd.	239
Mid Railways of France	130
Midland Bank Limited	73
Midland Railway Company of Western Australia	961
Midland Uruguay Railway	817
Mitropa Company	326
Mogiana Railway	209
Netherlands Railways	256
New Zealand Government Railways	902
North Central Wagon Co. Ltd.	462
North Eastern of Uruguay Railway	873
Northern Ireland Railways in 1935	368
Northern Railway of France	132
North Western of Uruguay Railway	873
Nyasaland Railways	239
Osborn (Samuel) & Co. Ltd.	873
Ottoman Railway Holding Company	315
Paraguay Central Railway	994
Pennsylvania Railroad	873
Pondicherry Railway	282
Port of London Authority	405
Port of Rangoon	681
Pullman Car Co. Ltd.	961, 963
Ransomes & Rapier Limited	351
Reynolds (A.) & Co. Ltd.	508
Rhodesia and Mashonaland Railways	4
Ribble Motor Services Limited	593
Roberts (Charles) & Co. Ltd.	73
Rohilkund & Kumaon Railway	282, 994
Samana & Santiago Railway	462
San Paulo (Brazilian) Railway	545
Scottish Motor Transport Co. Ltd.	994
Shahdara (Delhi)-Saharanpur Light Railway	351
Sierra Leone Railway	438
Silverton Tramway Company	508
Sorocabana Railway	508, 1019
South African Railways	181
Southern Motor Services Limited	127, 351
Southern Pacific Company	360
Southern Railway	159
South Indian Railway	637, 650
South Manchuria Railway	133
Stewarts and Lloyds Limited	545
Stothert & Pitt Limited	887
Sudan Railways	687
Swedish State Railways	567
Taita Railway	637
Tanganyika Railways	329
Tecalemit Limited	817
Thornycroft (John L.) & Co. Ltd.	817
Trans-Zambesia Railway	1080
Trent Motor Traction Co. Ltd.	637
Trinidad Government Railways	406
Trust of British Transport	567
Tunisian Railways in 1935	512
Turner & Newall Limited	994
United Steel Companies Limited	462

Uruguay Northern Railway	817
Vickers Limited	159
Victorian Government Railways	931
Vulcan Foundry Limited	508, 593
Wellington, Grey & Bruce Railway	961

## PERSONAL

† Signifies deceased	
Advertising Association—President for 1937	585
Advisory Council to the Committee of the Privy Council for Scientific and Industrial Research—Membership Changes	897
al-Hashimi, Major General Taha	233
Alcock, H. J.	379
† Allenby, Viscount	153
al-Umari, Sayid Arshad	233
Anderson, D. L.	379
† Angus, Jonathan	763, *802, 803
Arnot, Henry	951
Ashfield, Lord	951
Association of American Railroads—Board Elected for 1937	1073
Athey, W. T.	201
Bach, W. E.	899
Baltimore & Ohio Railroad Staff Changes and Appointments	58
† Banbury of Southam, Lord	305, 763
Barber, L.	151, 863
Barbour, Thomas	1073
Barrington Ward, V. M.	707
Barsi Light Railway—Directorial Changes	57
Batey, Dr. J. T.	537
Bayley, G. Anson	86
Bayne, C. W.	461, 899
Beatty, Sir Edward, K. C.	115
Belfast & County Down Railway—Directorial Changes	1073
Belisha, Hore, M.P.	775
Bell, J. A.	587
Bender, A. F. S.	763, *802
Bener, G.	427
Bengal & North Western and Rohilkund & Kumaon Railways—New Agent	*115
Bengal Doars Railway—New Chairman	863
Bennet, W. R. R. M.	151
Bernays, G. V.	1073
Berridge, P. S. A.	672
† Berry, Dr. T. P.	804
Bevin, Ernest	534, 541
Biddle, R. P.	199, *200
† Bienvenue, Fulgence	211, 233
Birkbeck, H. J.	587, *630
Birmingham Small Arms Co. Ltd.	761
† Bishop, P. St. J.	534
Bishop, W. H.	115, *116, 117
Black, Sheriff C.	897
Blackstone & Co. Ltd.—Directorial Changes	461
Blood, General Sir Bindon	673
Boag, George L.	*57
Boquet, G. S.	534
Bodger, J. E. S.	899, 985
Bolden, A. W.	1037
Bombay, Baroda & Central India Railway—Directorial Changes	987
Bombay, Baroda & Central India Railway—Staff Changes and Appointments	61, 987
Bond, F. L. C.	87
Bosch, Dr. Robert	858
Bosall, G. F.	*23, 24
Boykett, C. J.	58, *585
Boyle, W. J.	987
Bradbury, Lord	233
† Brain, O. W.	803
Branger, Dr. Ing.	427
Brant, E. D.	501
Brereton, C. C. T.	534
British Association—President of Engineering Section for 1937	1037
British Engineers Association—President and Members of Council for 1937	671
British Thomson-Houston Co. Ltd.—Appointment	502
Brock, L. E.	801
Brown, C. J.	985
Brown, Sir George McLaren	506, 533, 634, *707, 804
Buenos Ayres Great Southern and Buenos Ayres Western Railways—Staff Changes and Appointments	*116
Bullock, Willoughby	761
Burgley, Lord	672
Burgoyne, S. T.	275, *276, 277
Burma Railways—New Agent	115
Burns, C. N.	899
† Burt, Sir Henry P.	739, *762, 815
Bushrod, F.	673, *708
† Butler, Lt.-Col. L. W. G.	58
Byron, T. C.	801
Cabrett, H. G.	459
Calder, N. D.	629, 1073
Cameron, T. F.	763
Canadian National Railways—New Board of Directors	*489, 488, 533, *762
Canadian National Railways and Steamships Staff Changes and Appointments	57, 949, *950

Canadian Pacific Railway and Steamships—Staff Changes and Appointments	151, 506, 533, *707, *761
Canton-Hankow Railway Appointments	305
Carson, Lt.-Col. C. F.	534
Cartland, W. C.	534
Casement, E. R.	707
Central Argentine Railway Staff Changes and Appointments	199, *232, 479, *501
Central Uruguay Railway and Associated Lines—Administrative Changes	1073
Central Uruguay Railway of Monte Video—Directorial Changes	814
Ceylon Government Railway Commission—Personnel	459
Ceylon Government Railway Staff Changes and Appointments	57, *58, *672
† Chadwell, Percy J.	427, 761
Chamberlain, Sir Austen, M.P.	861
Chambers, J. C.	200, *276, 277
Chapman, Lewis	761
Chappell, B. T.	950
Chappell, Henry	58
Chartered Institute of Secretaries—New President	1073
Cheddle, Harry	761, *949
Chenau, Fernand	1037
Cheshire Lines Committee—New Secretary and Manager	*232
Christison, F. C. W.	58, *585
Chung-chi, Chou	305
Clanfield, Viscount	26
Clarke, H. Adams	*24, 25
Cochrane, J.	867
Cole, Lt.-Col. and Brevet Col. H. S.	587
Coleby, E.	26
Coleman, J. St. J.	763
Collingwood, G.	899
Collinson, Arthur	763, 863
Commission of Lieutenancy for the City of London	951
Cookson, A. C.	153
† Cooper, Sir Alexander	629
Cooper, Charles	985
Cooper, H. H.	233, *276, 277
Cornish, George	459
Couper, J. D. C.	199, 563, *586, 710, 761
Cox, Edwin C.	91
Cranmer, A. H.	801
Cresswell, T.	*348
Critchley, Joseph	160
Cunningham, Harry	587, 648, 676
Cunnington, Arthur	26
da Costa, Dr. Odir Dias	1, 26
† Dalby, Prof. W. E.	533
Daly, B. L.	987
Darby, F. S.	987
Davey, Paxman & Co. (Colchester) Ltd.—Directorial Changes	1037
Davidson, W.	117
Davies, Ashton	707
Dawes, Major L. F. S.	*59
Dawson, Sir Philip	632
Day, Charles	671
Dean, J. D.	1037
† de Glehn, Alfred	3
† de la Sota, Sir Ramon	347
Devenish, W. R.	950
Diesel Engine Users Association—Staff Changes	92
† Direz, André	629, 708
Dobson, R. H.	26, *469
Dormmüller, Dr. Julius	26
Down, F. H.	61
Doyle, A.	1037
Doyle, S. C.	115
Duckworth, R.	803
Dunlop, James B.	275, *460
Dutton, F. J.	987
Dymond, A. W. J.	801
Eades, G. J.	849
Eastern Counties Omnibus Co. Ltd.—Directorial Changes	26
Eastman, Joseph B.	45
Edwards, A. B.	629
Edwards, R. H.	863
Egerton, Prof. A. C. G.	459
Elias, D. H.	804
Elliot, T. C.	804
Engineer and Railway Staff Corps—Gazette Notices	379, 459, 501, 502, 673, 761, 951
English Electric Co. Ltd.—Staff Changes	57
Entre Rios and Argentine North Eastern Railways Staff Changes	151
Etter, Hans	677
European Timetable Conference—General Assembly in Session	*670
Evans, A. O.	115
Eves, Graves W.	57
Fairburn, C. E.	897
Falmouth, Viscount	897
Fearnley, A. R.	949
† Fighiera, Felix C. C. M.	115
† Findlay, G. S.	115
Flatt, Leslie	*304
† Fleming, Colonel J. G.	459
† Forbes, Dr. George	708
Forster, Captain J. V.	1073
Foster, Allan G.	303
Fowler, H.	277
† Foxwell, Prof. H. S.	277

Frank, Lt.-Col. T. P. . . . .	501	Inglis, R. J. M. . . . .	*985	Membury, J. J. . . . .	949	Rhodesia Railways Staff Changes . . .	379
†Fraser, James . . . . .	333	Institute of Transport—New Mem-		Merrett, C. . . . .	1037	Richardson, R. M. T. . . . .	379
Fuller, F. M. . . . .	379	bers and Associate Members 899, 1073		Midland & Great Northern Rail-		†Richardson, Thomas . . . . .	1073
Gagnon, Wilfred . . . . .	459, 488	Institute of Transport—Premium		ways Joint Committee and Nor-		Riddle, J. H. . . . .	199
†Garcia, Dr. Luis Lagos . . . . .	707	Awards, 1935-36 . . . . .	501	folk & Suffolk Joint Railways		Riddles, R. A. . . . .	783
Gazette of India Notices . . . . .	534	Institute of Transport—President		Committee—Changes on Working		Ridley, G. M. P. . . . .	783
General Electric Co. Ltd.—Direc-		for 1936-37 . . . . .	501, *629, 631	Rearrangements . . . . .	104, 115, *200,	Ridley, N. . . . .	275, 459, *460, 803
torial Changes . . . . .	861	Institution of Civil Engineers—New		Midland Bank Limited—Directorial	201, 587, 593	Road and Rail Traffic Appeal	
Gibb, Sir Alexander . . . . .	1037	Members and Associate Members	985	Changes . . . . .	201	Tribunal—Changes . . . . .	897
Gibb, G. . . . .	461	Institution of Locomotive Engi-		Miller, H. Eric . . . . .	707	Roberts, A. . . . .	26
Gibb, Roger . . . . .	2	neers—New Members and Asso-		Miller, J. . . . .	985	Roberts, W. N. . . . .	801
Gillett, Sir George . . . . .	897	ciate Members . . . . .	763, 899	Millward, R. L. . . . .	277	Robertson, A. C. . . . .	459
Gillman, John R. . . . .	57	Institution of Locomotive Engi-		Missenden, E. J. . . . .	*199, 710, 761	Robertson, D. M. S. . . . .	151
†Gilmour, T. L. . . . .	899	neers—President for 1936-37 513, *533,		Moffatt, Robert J. . . . .	459, 488	Robinson, Eric A. . . . .	671
Glendinning, E. . . . .	987	536		†Mollett, J. D. . . . .	502	Rohilkund & Kumaon Railway	
Golightly, E. . . . .	201, *347	Institution of Locomotive Engi-		Moody, W. T. . . . .	950	Appointment . . . . .	303
Gomez, Trifon . . . . .	748	neers, Indian and Eastern Centre—		Morkill, Geoffrey W. . . . .	1073	Rohilkund & Kumaon Railway—	
Goode, Sir Richard . . . . .	2	Chairman for 1936-37 . . . . .	*304	Morley, W. C. . . . .	459	Directorial Changes . . . . .	899
Goodings, G. G. . . . .	275, *303	Institution of Locomotive Engi-		Morris, W. . . . .	629	Roumanian State Railways Staff	
Gordon, Lt.-Col. Lord Dudley G. . . . .	671	neers, South American Centre—		Morton, J. S. . . . .	*59	Changes . . . . .	1037
†Gordon, J. W., K.C. . . . .	534	Group . . . . .	*961	Mount, Lt.-Col. A. H. L. . . . .	707	†Rousillon, G. H. . . . .	107
Gordon, Lt.-Col. R. E. . . . .	801	†Invernairn of Strathnairn, Lord . . . . .	379	Moyers, W. A. . . . .	763, 899	Rowland, J. E. M. . . . .	115
Gould, S. H. . . . .	277	Iranian State Railways Appoint-		Muir, John . . . . .	804	†Rowland, R. . . . .	*708
Gourley, William . . . . .	61, 81	ment . . . . .	379	Murhead, A. K. . . . .	801	†Rowntree, E. W. . . . .	427
Gracey, Lt.-Col. T. . . . .	899	Iraq Railways—Board of Adminis-		Munro, J. M. . . . .	277	Royle, T. H. . . . .	*1073
Graham, Robert . . . . .	769	tration . . . . .	233	Munro, W. I. . . . .	950	Rutter, E. M. . . . .	587, *630
Great Southern of Spain Railway		Irish Railway Clearing House		Murdoch, J. Y., K.C. . . . .	459, 488	Ryan, M. F. . . . .	803
Staff Changes . . . . .	*57	General Managers' Conference—		Murison, A. H. . . . .	804, *897	Salter, Sir Arthur . . . . .	27, *59
Great Western of Brazil Railway		Chairman for 1937 . . . . .	761	Myers, W. H. . . . .	950	Sanderson, H. F. . . . .	743, *802, 803
Staff Changes and Appointments		Irving, J. . . . .	950	†Nash, Major-General Sir Philip . . . . .	115	†Saurer, Hippolyt . . . . .	534
Great Western Railway . . . . .	26, 151, *460	†Jackson, E. F. . . . .	807	Nash, Union of Railwaymen—		†Schindler, Huber, Dr. Dietrich . . . . .	782
Changes and Appointments . . . . .	*23,	†Jardine, Peter . . . . .	305	New President . . . . .	115	†Schooling, Frederick . . . . .	57
24, 25, *59, *200, 201, *231, 233, *276,		Jarrett, F. . . . .	1037	Neele, G. B. F. . . . .	461, *671	Selway, C. J. . . . .	707
277, 437, 461, 629, 672, *673, 761,		Jenkin Jones, C. M. . . . .	*275, 276	Newton, C. H. . . . .	26	Sentinel Wagon Works (1936)	
*802, 803, 949, 1037		Johnson, A. J. . . . .	26	New Zealand Government Railways		Limited Appointment . . . . .	710, *861
Greenway, E. . . . .	233	Johnson, H. G. . . . .	949	Staff Changes and Appointments		Setterfield, R. A. P. . . . .	*24, 25
Greenwell, Sir Bernard E. . . . .	1037	†Jooley, Lord . . . . .	897	Nicholson, Charles H. . . . .	*115, *116, 117, 804, *897	Sheepbridge Stokes Centrifugal Cast-	
Gresley, Sir Nigel . . . . .	122, 683, 711, 711	Keolan, E. H. . . . .	801	Nicholson, G. R. . . . .	201, *304, *347	ings Co. Ltd. Appointment . . . . .	803
Grey, N. F. E. . . . .	*116, 769	Kenya & Uganda Railways & Har-		Nigerian Railway Staff Changes . . . . .	61	Sheffield Corporation Transport De-	
Griffiths, C. H. . . . .	607, 1073	bours Staff Changes . . . . .	*276, 277, 348	Nissar, Mahomed . . . . .	303	partment Staff Changes . . . . .	949, *1047
Griffiths, W. T. . . . .	115, 534	†Kinder, C. W. . . . .	277, 672	Nizam's State Railway Appoint-		Sherrington, C. E. R. . . . .	707
Grindley, H. H. . . . .	814, 1073	Kingsland, W. A. . . . .	57	ments . . . . .	*58, *673	Shirliff, Miss Audrey . . . . .	497, 481
†Groom, Hon. Sir Littleton, K. C. . . . .	804	Kirkness, L. H. . . . .	652, 671	†Norris, Hon. T. C. . . . .	803	Short, H. A. . . . .	199, *200
Grumbridge, J. L. . . . .	501	Kirkpatrick, Sir Cyril R. S. . . . .	459	Northern General Transport Co.		Showers, J. . . . .	26
Guest, T. . . . .	629	Kitching, J. E. . . . .	763, *861	Ltd. Staff Changes and Appoint-		Sifton, M. H. . . . .	891
†Guest, Colonel Gaston . . . . .	629	Kuit, A. . . . .	763	ments . . . . .	*673	Simms, Edward . . . . .	58
Gurney, E. Russell . . . . .	761	Lace, G. B. . . . .	671	Northern Railway of Spain—Direc-		Skelton, Sir Reginald W. . . . .	348
Gutteridge, Driver H. . . . .	201	Laubser, M. M. . . . .	151	torial Changes . . . . .	61	Slaughter, Major E. W. . . . .	*58
Halsall, R. M. . . . .	801	Laughton, G. C. . . . .	607	Oakes, Francis E. . . . .	*347	Sloan, A. D. . . . .	57
Hambro, Mrs. Charles . . . . .	*710	Laundy, J. H. . . . .	305, *379	O'Connell, J. L. . . . .	987	Smith, A. Forbes . . . . .	647, 652
Hammond, Brigadier-General F. D. . . . .	459, 803	Lavandera, Justo C. . . . .	899	O'Farrell, Dr. Luis P. . . . .	1073	Smith, G. R. . . . .	671
Hardy, F. . . . .	92	Law, A. H. . . . .	26	O'Neil, José Moreno . . . . .	501	Smith, J. G. . . . .	899
Harper, Lt.-Col. R. Tristram . . . . .	708, 713	Lee, A. J. . . . .	151, 199, *460	Owen, Sir David J. . . . .	501	Smith, J. W. E. . . . .	899
Harris, A. C. . . . .	671, *1078	Leedam, Gerald . . . . .	*232	Owen, H. S. . . . .	26, *116	South African Airways Appoint-	
Harris, C. R. S. . . . .	769	Leguizamon, Dr. G. E. . . . .	803	Owen, W. C. . . . .	950	ment . . . . .	587
†Harrison, Bernard B. . . . .	949	Leopoldina Railway Staff Changes		Oxenford, Miss . . . . .	*304, 437, 502	South African Railway Officers	
Harrison, F. E. . . . .	985	and Appointments . . . . .	461, *673, 899	†Paget, Cecil Walter . . . . .	1014, *1038	Visiting London . . . . .	61
Harrison, Engr. Rear-Admiral J. . . . .	92	Leslie, Ronald . . . . .	199, 479, *501,	Paraker, Harry T. . . . .	950	South African Railways & Harbours	
Hope . . . . .	502, 535	Lincoln, N. . . . .	*502, 816	Permanent, Frank . . . . .	1037	Staff Changes and Appointments . . . . .	151, 885
Harley, Sir Harold . . . . .	502, 535	Lindenbergh, G. J. A. . . . .	151	†Patterson, Herbert . . . . .	534	South Australian Railways Staff	
Hawkes, Lt.-Col. F. R. . . . .	534	Lister, Robert B. . . . .	671	Paton, Norman A. . . . .	897	Changes and Appointments . . . . .	58
Hawthorn (R. & W.), Leslie & Co.		L.M.S.R. and L.N.E.R. Joint Com-		Patrick, W. D., K.C. . . . .	157	South African Transport Confer-	
Ltd.—Directorial Changes . . . . .	502	mittee Changes . . . . .	587, 593	Patterson, J. C. . . . .	533, *761	ence—Delegates . . . . .	379
†Hay, Adam C. . . . .	461	L.M.S.R. Party Leaving for Johan-		Pearce, Major A. D. . . . .	157	Southern Railway Staff Changes and	
Haygreen, Driver G. . . . .	534	nesburg Exhibition . . . . .	*304	Pearson, Fairlie C. . . . .	1073	Appointments . . . . .	*59, 115, 117,
Hayer, G. W. . . . .	*673	L.M.S.R. Trial Train Crew, Presen-		Perera, Gate Mudaliyar G. F. . . . .	*672	*199, *200, *276, 277, 305, *347,	
Head, E. W. . . . .	57, *629	tation to . . . . .	899	Perman, Way Institution Sum-		*379, *586, *673, 707, *708, *709, 803,	
Hearn, S. G. . . . .	899	London & North Eastern Railway		†Petri, P. . . . .	58	861	
Heckrodt, W. . . . .	899	Staff Changes and Appointments		Petrie, John . . . . .	673	South Wales Trade Recovery and	
Henderson, A. . . . .	899	26, *116, 201, *275, *276, 277, *303,		†Phillips, Lt.-Col. G. I. . . . .	199	Expansion Committee—Members	
†Henderson, Brigadier-General Sir		*304, *347, 459, *460, 535, *585, 587,		Pickwood, W. A. . . . .	502	Sparshat, Driver William . . . . .	710
Brodie . . . . .	*534, 588, 714, 763,	629, 673, 707, 803, 863, 897, 1073		Pole, Sir Felix J. C. . . . .	708	†Spencer, Alexander . . . . .	461
769, 814, 816		London Midland & Scottish Rail-		†Potter, Frank R. . . . .	*231, 502, 671	Spencer (George) Moulton & Co. Ltd.	
Henderson, J. M. P. . . . .	115	way—Directorial Changes 26, 761, 804		Powell, C. W. . . . .	629	—Directorial Changes . . . . .	199, 201
Heskett, Arthur E. . . . .	151	London Midland & Scottish Railway		Pratt, W. . . . .	949	Spencer, Jack . . . . .	201
†Hibbert, S. R. . . . .	379	Staff Changes and Appointments		Prescott, Lt.-Col. H. C. . . . .	803, 861	Stamp, Sir Josiah . . . . .	585, 629, 671
Higginson, E. W. . . . .	761, *802, 803	61, *151, 277, 671, *708, 761, 801,		Pringle, J. F. . . . .	57	Stanier, W. A. . . . .	513, *533, 536,
Hill, R. F. . . . .	899	801, 802, 861, 887		†Princet, Prince . . . . .	501	647, 652, 671, 897	
Hill, William . . . . .	151	Ludlam, P. S. . . . .	275, *303	†Putnam, Sir Thomas . . . . .	304	Stanley, F. C. C. . . . .	803
Hills, H. . . . .	233	Lusty, H. C. . . . .	804, 897	Quirey, John . . . . .	897	Stanley, W. J. . . . .	949
Hills, W. G. . . . .	*672	Lysaght, W. R. . . . .	629	Railway Air Services Limited—		Stead, H. V. . . . .	92
Hippisley, E. T. . . . .	502	McBryde, J. G. . . . .	761, *802, 803	Directorial Changes . . . . .	1037	Stevens, J. B. . . . .	761
Hobbs, A. T. . . . .	92	McClean, H. G. . . . .	899	Railway Benevolent Institution—		†Stevens, Marshall . . . . .	303
Hogg, E. Gascoigne . . . . .	233	McCormack, D. G. . . . .	985	President for 1937 . . . . .	671	Stevenson, L. E. . . . .	61
Holland, F. . . . .	673	McCrae, J. M. . . . .	987	Railway Clearing House Accoun-		Stewart, J. H. . . . .	985
Holland-Martin, Robert . . . . .	535	McDougall, Donald H. . . . .	459, 488	tants' Standing Committee—		Stibbs, E. H. . . . .	672
Holthouse, Colonel J. . . . .	387	McEwen, J. H. . . . .	899	Chairman for 1937 . . . . .	1037	Stott, William . . . . .	*24, 25
†Home, Walter . . . . .	587	McHaffie, M. G. J. . . . .	707, *709	Railway Clearing House Coaching		Stoyle, H. Blin . . . . .	*276, 277, 348
Hooks, H. A. . . . .	761, 801, *802	Mackinnon, J. . . . .	949	Traffic Superintendents' Confer-		Strouts, B. M. . . . .	652, 671
†Hornby, Frank . . . . .	502	†Mackintosh, John . . . . .	427	ence—Chairman for 1937 . . . . .	707	Sudan Railways Staff Changes . . . . .	*347
Horne, Sir Robert . . . . .	37, 62, 776,	Macneen, James . . . . .	587, 593	Railway Clearing House General		Sutcliffe, G. . . . .	985, *1037
*800, 811		McMurdy, A. H. . . . .	379	Managers' Conference—Chairman		Swan, A. W. . . . .	199
Hornett, W. G. . . . .	710, *861	Macovei, Mr. . . . .	1037	for 1937 . . . . .	707	Swift, H. H. . . . .	535, *585
Hornsby, Thomas . . . . .	*275, 533	Mahmoud Shaker Mohamed Pasha, . . . . .	199, *232, 816	Railway Clearing House Goods		Swiss Federal Railway Staff	
Howarth, A. A. . . . .	899	H.E. . . . .		Managers' Conference—Chairman		Changes . . . . .	1037
Howe, J. V. . . . .	949	Major, W. R. . . . .	379	for 1937 . . . . .	707	Symes, J. G. . . . .	305, *379
Hudson, T. C. . . . .	57	Mance, Brigadier-General Sir H. . . . .	57	Railway Clearing House Operating		Symes, S. J. . . . .	861
Hungerford, S. J. . . . .	*459, 488, 747	Oswald . . . . .		Superintendents' Conference—		Symington, Herbert J. . . . .	459, 488
Hung-hsun, Ling . . . . .	305	Manchukuo Railways, Representa-		Chairman for 1937 . . . . .	707	Tanganyika Railways Appointments	
†Hunter, Sir John . . . . .	672, 1037	tive in Shanghai . . . . .	886	Railway Clerks' Association Staff		587, 985	
Hurst, James . . . . .	1073	Manton, Colonel L. . . . .	1073	Changes and Appointments . . . . .	*24, 25	Taylor, A. . . . .	801
Ichihara, Y. . . . .	886	Marr, L. E. . . . .	803	Railway Rates Tribunal—Re-		Taylor, E. . . . .	1037
Illingworth, V. R. . . . .	863	Marriott, R. E. . . . .	151	appointment of Member . . . . .	897	Taylor, J. F. M. . . . .	459
Illuminating Engineering Society—		Martin, Thomas . . . . .	*200, 201	Railway Staff National Tribunal—		Taylor, T. L. . . . .	199
President for New Session . . . . .	587, 676	†Matheson, A. . . . .	987	Chairman and Members 27, *59, 65		Tee, B. F. . . . .	899
Imperial Service Medals to Austr-		Maunsell, R. E. L. . . . .	951	Ramoni, G. D. . . . .	803	†Tennant, R. H. . . . .	985
lian Railwaymen and Road Trans-		Maury, A. W. M. . . . .	763	Read, Sir Alfred . . . . .	501, 599, *629, 831	Thompson, J. T. . . . .	985
port and Tramway Employees . . . . .	1073	†Maxwell, Donald . . . . .	201	Reavell, Captain K. . . . .	671	†Thornthorn, Sir Henry W.—Memo-	
Indian Railway Staff Changes and		Maybach Gears Limited, Appoint-		Rhatian Railway Staff Changes . . . . .	427	rial Plaques . . . . .	*427
Appointments . . . . .	61, 115, 151,	ment . . . . .	91	Rhodesia Railway Commission—		Thornycroft (John I.) & Co. Ltd.—	
199, 305, 348, 459, 534, 587, 629, 707,				Changes . . . . .	2	Directorial Changes . . . . .	348
801, 863, 899, 949, 985, 1073						Tilston, T. J. . . . .	899
Indian Signalling Committee—Mem-							
bers . . . . .	607						
Indian State Railway Committee of							
Inquiry—Members . . . . .	647, 652,						
671, 761, *949							



Tinworth, W. L. . . . .	587	†Waghorn, Brigadier-General Sir	707	Wilson, F. . . . .	985
Toller, G. G. T. . . . .	199	William Danvers . . . . .	533	Wilson, J. S. . . . .	305, *347
†Torrens, Major J. W. O'Neill . . . . .	534	†Wakehurst, First Baron . . . . .	153	Wilter, F. C. M. . . . .	151
Tower, J. A. . . . .	607	Walkden, A. G., M.P. . . . .	*24, 25	Wiltshire, George . . . . .	*24, 25
Trades Union Congress General Council—New President . . . . .	534, 541	Walker, B. E. . . . .	987	†Wolfe Barry, Kenneth A. . . . .	28, 629
Traffic Commissioners for Yorkshire . . . . .	761	Walker, G. J. . . . .	24, 61	Wood, W. V. . . . .	501, 566, 588, 707, *801
Area—Changes . . . . .	233	Walker, Sir Herbert . . . . .	629, 707, 1037	Woodhouse, Colonel H. L. . . . .	607
†Trevelthick, Lord . . . . .	*950	Walker, R. B. . . . .	104, 115, *200, 201	World Power Conference International Executive Council—Chairman re-elected . . . . .	535
Turner, Percy S. . . . .	*24, 25	Walker, R. D. . . . .	899	†Yates, L. E. H. . . . .	761
Tyrell, James . . . . .	115, *116, 117	Walton, N. B. . . . .	949, *950	Yeld, P. H. . . . .	629
†Van Sweringen, M. J. . . . .	899	Ward, Harvey . . . . .	233	Young, Horace J. . . . .	803
†Van Sweringen, O. P. . . . .	899	Ward, Colonel J. C. . . . .	949, *1037	Young, S. G. S. . . . .	987
Vaughan, Samuel . . . . .	601	Watson, Harris . . . . .	647, 652, 671, 801, 897	Young, W. H. H. . . . .	534
Vogel, H. E. T. . . . .	899	Wedgwood, Sir Ralph L. . . . .	710	Zaki, Sayid Muhammad Amin . . . . .	233
Von Abo, Dr. C. V. . . . .	151	†Weeks, W. T. . . . .	710		
		Wentworth-Shields, F. E. . . . .	707, *709, *115		
		Westwood, J. D. . . . .	233		
		Weymouth & Portland Railway—Directorial Changes . . . . .	233		
		Wheeler, H. E. O. . . . .	*673		
		†Wheeler, Percy . . . . .	305, *348, 534		
		†White, Edward . . . . .	303		
		White, F. J. . . . .	863		
		Wigram, Colonel the Rt. Hon. Lord . . . . .	201, 761, 804, 1073		
		Wilkinson, E. F. . . . .	26		
		Wilkinson, H. L. . . . .	*231		
		Wilkinson, Dr. S. A. . . . .	61		
		Willcox, S. T. . . . .	899		
		Williamson, D. . . . .	801		
		Willis, Frank H. . . . .	1, 8		

